

```
1 namespace Karela
2 {
3     partial class main
4     {
5         /// <summary>
6         /// Required designer variable.
7         /// </summary>
8         private System.ComponentModel.IContainer components = null;
9
10        /// <summary>
11        /// Clean up any resources being used.
12        /// </summary>
13        /// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>
14        protected override void Dispose(bool disposing)
15        {
16            if (disposing && (components != null))
17            {
18                components.Dispose();
19            }
20            base.Dispose(disposing);
21        }
22
23 #region Windows Form Designer generated code
24
25        /// <summary>
26        /// Required method for Designer support - do not modify
27        /// the contents of this method with the code editor.
28        /// </summary>
29        private void InitializeComponent()
30        {
31            System.ComponentModel.ComponentResourceManager resources = new
32                 System.ComponentModel.ComponentResourceManager(typeof(main));
33            this.buttonRun = new System.Windows.Forms.Button();
34            this.buttonLoad = new System.Windows.Forms.Button();
35            this.buttonSave = new System.Windows.Forms.Button();
36            this.label2 = new System.Windows.Forms.Label();
37            this.pictureBoxMove = new System.Windows.Forms.PictureBox();
38            this.backgroundWorker1 = new System.ComponentModel.BackgroundWorker();
39            this.backgroundWorker2 = new System.ComponentModel.BackgroundWorker();
40            this.tableLayoutPanelGrid = new System.Windows.Forms.TableLayoutPanel();
41            this.panelFunction = new System.Windows.Forms.Panel();
```

```
41     this.pictureBoxTurnAround = new System.Windows.Forms.PictureBox();
42     this.pictureBoxTurnRight = new System.Windows.Forms.PictureBox();
43     this.pictureBoxErase = new System.Windows.Forms.PictureBox();
44     this.pictureBoxPaint = new System.Windows.Forms.PictureBox();
45     this.pictureBoxTurnLeft = new System.Windows.Forms.PictureBox();
46     this.labelAction = new System.Windows.Forms.Label();
47     this.tabControlDraggables = new System.Windows.Forms.TabControl();
48     this.Functions = new System.Windows.Forms.TabPage();
49     this.LoopsAndConditionals = new System.Windows.Forms.TabPage();
50     this.panelLoopsandCons = new System.Windows.Forms.Panel();
51     this.pictureBoxIfElse = new System.Windows.Forms.PictureBox();
52     this.pictureBoxWhile = new System.Windows.Forms.PictureBox();
53     this.pictureBoxIf = new System.Windows.Forms.PictureBox();
54     this.pictureBoxFor = new System.Windows.Forms.PictureBox();
55     this.Conditions = new System.Windows.Forms.TabPage();
56     this.panelConditions = new System.Windows.Forms.Panel();
57     this.pictureBoxBehindBlocked = new System.Windows.Forms.PictureBox();
58     this.pictureBoxPainted = new System.Windows.Forms.PictureBox();
59     this.pictureBoxRightBlocked = new System.Windows.Forms.PictureBox();
60     this.pictureBoxNotPainted = new System.Windows.Forms.PictureBox();
61     this.pictureBoxLeftBlocked = new System.Windows.Forms.PictureBox();
62     this.pictureBoxNotBlocked = new System.Windows.Forms.PictureBox();
63     this.buttonReset = new System.Windows.Forms.Button();
64     this.buttonStep = new System.Windows.Forms.Button();
65     this.buttonLesson = new System.Windows.Forms.Button();
66     this.listBoxLessons = new System.Windows.Forms.ListBox();
67     this.openFileDialog1 = new System.Windows.Forms.OpenFileDialog();
68     this.saveFileDialog1 = new System.Windows.Forms.SaveFileDialog();
69     this.RTBprog = new System.Windows.Forms.RichTextBox();
70     this.buttonRef = new System.Windows.Forms.Button();
71     this.labelTitle = new System.Windows.Forms.Label();
72     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxMove)).BeginInit();
73     this.panelFunction.SuspendLayout();
74     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnAround)).BeginInit();
75     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnRight)).BeginInit();
76     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxErase)).BeginInit();
77     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPaint)).BeginInit();
78     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnLeft)).BeginInit();
79     this.tabControlDraggables.SuspendLayout();
80     this.Functions.SuspendLayout();
81     this.LoopsAndConditionals.SuspendLayout();
```

```
82         this.panelLoopsAndCons.SuspendLayout();
83         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxIfElse)).BeginInit();
84         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxWhile)).BeginInit();
85         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxIf)).BeginInit();
86         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxFor)).BeginInit();
87         this.Conditions.SuspendLayout();
88         this.panelConditions.SuspendLayout();
89         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxBehindBlocked)).BeginInit();
90         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPainted)).BeginInit();
91         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxRightBlocked)).BeginInit();
92         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxNotPainted)).BeginInit();
93         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxLeftBlocked)).BeginInit();
94         ((System.ComponentModel.ISupportInitialize)(this.pictureBoxNotBlocked)).BeginInit();
95         this.SuspendLayout();
96         //
97         // buttonRun
98         //
99         this.buttonRun.BackColor = System.Drawing.SystemColors.ButtonHighlight;
100        this.buttonRun.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,
101            System.Drawing.GraphicsUnit.Point, ((byte)(0)));
102        this.buttonRun.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
103        this.buttonRun.Location = new System.Drawing.Point(1130, 952);
104        this.buttonRun.Margin = new System.Windows.Forms.Padding(4);
105        this.buttonRun.Name = "buttonRun";
106        this.buttonRun.Size = new System.Drawing.Size(126, 42);
107        this.buttonRun.TabIndex = 4;
108        this.buttonRun.Text = "Run";
109        this.buttonRun.TextAlign = System.Drawing.ContentAlignment.TopCenter;
110        this.buttonRun.UseVisualStyleBackColor = false;
111        this.buttonRun.Click += new System.EventHandler(this.buttonRun_Click);
112         //
113         // buttonLoad
114         //
115         this.buttonLoad.BackColor = System.Drawing.SystemColors.ButtonHighlight;
116         this.buttonLoad.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,
117            System.Drawing.GraphicsUnit.Point, ((byte)(0)));
118         this.buttonLoad.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
119         this.buttonLoad.Location = new System.Drawing.Point(1656, 6);
120         this.buttonLoad.Margin = new System.Windows.Forms.Padding(4);
```

```
121     this.buttonLoad.TabIndex = 6;
122     this.buttonLoad.Text = "Load";
123     this.buttonLoad.TextAlign = System.Drawing.ContentAlignment.TopCenter;
124     this.buttonLoad.UseVisualStyleBackColor = false;
125     this.buttonLoad.Click += new System.EventHandler(this.buttonLoad_Click);
126     //
127     // buttonSave
128     //
129     this.buttonSave.BackColor = System.Drawing.SystemColors.ButtonHighlight;
130     this.buttonSave.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,
131         System.Drawing.GraphicsUnit.Point, ((byte)(0)));
132     this.buttonSave.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
133     this.buttonSave.Location = new System.Drawing.Point(1524, 6);
134     this.buttonSave.Margin = new System.Windows.Forms.Padding(4);
135     this.buttonSave.Name = "buttonSave";
136     this.buttonSave.Size = new System.Drawing.Size(126, 42);
137     this.buttonSave.TabIndex = 7;
138     this.buttonSave.Text = "Save";
139     this.buttonSave.TextAlign = System.Drawing.ContentAlignment.TopCenter;
140     this.buttonSave.UseVisualStyleBackColor = false;
141     this.buttonSave.Click += new System.EventHandler(this.buttonSave_Click);
142     //
143     // label2
144     //
145     this.label2.AutoSize = true;
146     this.label2.Location = new System.Drawing.Point(734, 858);
147     this.label2.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
148     this.label2.Name = "label2";
149     this.label2.Size = new System.Drawing.Size(0, 25);
150     this.label2.TabIndex = 11;
151     //
152     // pictureBoxMove
153     //
154     this.pictureBoxMove.AllowDrop = true;
155     this.pictureBoxMove.BackColor = System.Drawing.Color.Red;
156     this.pictureBoxMove.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxMove.Image")));
157     this.pictureBoxMove.Location = new System.Drawing.Point(0, 0);
158     this.pictureBoxMove.Margin = new System.Windows.Forms.Padding(4);
159     this.pictureBoxMove.Name = "pictureBoxMove";
160     this.pictureBoxMove.Size = new System.Drawing.Size(160, 100);
161     this.pictureBoxMove.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
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161     this.pictureBoxMove.TabIndex = 12;
162     this.pictureBoxMove.TabStop = false;
163     this.pictureBoxMove.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
164     //
165     // tableLayoutPanelPanelGrid
166     //
167     this.tableLayoutPanelPanelGrid.BackColor = System.Drawing.Color.Black;
168     this.tableLayoutPanelPanelGrid.ColumnCount = 7;
169     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
170         (System.Windows.Forms.SizeType.Percent, 14.28571F));
171     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
172         (System.Windows.Forms.SizeType.Percent, 14.28572F));
173     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
174         (System.Windows.Forms.SizeType.Percent, 14.28572F));
175     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
176         (System.Windows.Forms.SizeType.Percent, 14.28572F));
177     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
178         (System.Windows.Forms.SizeType.Percent, 14.28572F));
179     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
180         (System.Windows.Forms.SizeType.Percent, 14.28572F));
181     this.tableLayoutPanelPanelGrid.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle
182         (System.Windows.Forms.SizeType.Percent, 14.28571F));
183     this.tableLayoutPanelPanelGrid.RowStyles.Add(new System.Windows.Forms.RowStyle
184         (System.Windows.Forms.SizeType.Percent, 14.28571F));
185     this.tableLayoutPanelPanelGrid.RowStyles.Add(new System.Windows.Forms.RowStyle
186         (System.Windows.Forms.SizeType.Percent, 14.28571F));
187     this.tableLayoutPanelPanelGrid.Size = new System.Drawing.Size(876, 875);
```

```
188     this.tableLayoutPanelGrid.TabIndex = 64;
189     //
190     // panelFunction
191     //
192     this.panelFunction.AutoScroll = true;
193     this.panelFunction.Controls.Add(this.pictureBoxTurnAround);
194     this.panelFunction.Controls.Add(this.pictureBoxTurnRight);
195     this.panelFunction.Controls.Add(this.pictureBoxErase);
196     this.panelFunction.Controls.Add(this.pictureBoxPaint);
197     this.panelFunction.Controls.Add(this.pictureBoxTurnLeft);
198     this.panelFunction.Controls.Add(this.pictureBoxMove);
199     this.panelFunction.Dock = System.Windows.Forms.DockStyle.Bottom;
200     this.panelFunction.Location = new System.Drawing.Point(4, 22);
201     this.panelFunction.Margin = new System.Windows.Forms.Padding(4);
202     this.panelFunction.Name = "panelFunction";
203     this.panelFunction.Size = new System.Drawing.Size(761, 245);
204     this.panelFunction.TabIndex = 67;
205     //
206     // pictureBoxTurnAround
207     //
208     this.pictureBoxTurnAround.AllowDrop = true;
209     this.pictureBoxTurnAround.BackColor = System.Drawing.Color.FromArgb(((int)(((byte)(0)))), ((int)(((byte)192))), ((int)((byte)(0))));
210     this.pictureBoxTurnAround.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxTurnAround.Image")));
211     this.pictureBoxTurnAround.Location = new System.Drawing.Point(522, 4);
212     this.pictureBoxTurnAround.Margin = new System.Windows.Forms.Padding(4);
213     this.pictureBoxTurnAround.Name = "pictureBoxTurnAround";
214     this.pictureBoxTurnAround.Size = new System.Drawing.Size(174, 96);
215     this.pictureBoxTurnAround.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
216     this.pictureBoxTurnAround.TabIndex = 18;
217     this.pictureBoxTurnAround.TabStop = false;
218     this.pictureBoxTurnAround.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
219     //
220     // pictureBoxTurnRight
221     //
222     this.pictureBoxTurnRight.AllowDrop = true;
223     this.pictureBoxTurnRight.BackColor = System.Drawing.Color.Gold;
224     this.pictureBoxTurnRight.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxTurnRight.Image")));
```

```
225     this.pictureBoxTurnRight.Location = new System.Drawing.Point(344, 4);
226     this.pictureBoxTurnRight.Margin = new System.Windows.Forms.Padding(4);
227     this.pictureBoxTurnRight.Name = "pictureBoxTurnRight";
228     this.pictureBoxTurnRight.Size = new System.Drawing.Size(172, 96);
229     this.pictureBoxTurnRight.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
230     this.pictureBoxTurnRight.TabIndex = 17;
231     this.pictureBoxTurnRight.TabStop = false;
232     this.pictureBoxTurnRight.MouseDown += new System.Windows.Forms.MouseEventHandler
233         (this.pictureBox_MouseDown);
234     //
235     // pictureBoxErase
236     //
237     this.pictureBoxErase.AllowDrop = true;
238     this.pictureBoxErase.BackColor = System.Drawing.Color.MediumSlateBlue;
239     this.pictureBoxErase.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxErase.Image")));
240     this.pictureBoxErase.Location = new System.Drawing.Point(168, 104);
241     this.pictureBoxErase.Margin = new System.Windows.Forms.Padding(4);
242     this.pictureBoxErase.Name = "pictureBoxErase";
243     this.pictureBoxErase.Size = new System.Drawing.Size(172, 100);
244     this.pictureBoxErase.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
245     this.pictureBoxErase.TabIndex = 16;
246     this.pictureBoxErase.TabStop = false;
247     this.pictureBoxErase.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
248     //
249     // pictureBoxPaint
250     //
251     this.pictureBoxPaint.AllowDrop = true;
252     this.pictureBoxPaint.BackColor = System.Drawing.Color.Blue;
253     this.pictureBoxPaint.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxPaint.Image")));
254     this.pictureBoxPaint.Location = new System.Drawing.Point(0, 104);
255     this.pictureBoxPaint.Margin = new System.Windows.Forms.Padding(4);
256     this.pictureBoxPaint.Name = "pictureBoxPaint";
257     this.pictureBoxPaint.Size = new System.Drawing.Size(160, 100);
258     this.pictureBoxPaint.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
259     this.pictureBoxPaint.TabIndex = 15;
260     this.pictureBoxPaint.TabStop = false;
261     this.pictureBoxPaint.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
262     //
263     // pictureBoxTurnLeft
264     //
265     this.pictureBoxTurnLeft.AllowDrop = true;
```

```
265     this.pictureBoxTurnLeft.BackColor = System.Drawing.Color.FromArgb(((int)(((byte)(255)))), ((int)((byte)    ↵
        (128)))), ((int)((byte)(0))));;
266     this.pictureBoxTurnLeft.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxTurnLeft.Image")));
267     this.pictureBoxTurnLeft.Location = new System.Drawing.Point(168, 4);
268     this.pictureBoxTurnLeft.Margin = new System.Windows.Forms.Padding(4);
269     this.pictureBoxTurnLeft.Name = "pictureBoxTurnLeft";
270     this.pictureBoxTurnLeft.Size = new System.Drawing.Size(172, 96);
271     this.pictureBoxTurnLeft.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
272     this.pictureBoxTurnLeft.TabIndex = 14;
273     this.pictureBoxTurnLeft.TabStop = false;
274     this.pictureBoxTurnLeft.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
275     //;
276     // labelAction
277     //;
278     this.labelAction.AutoSize = true;
279     this.labelAction.BackColor = System.Drawing.SystemColors.ButtonHighlight;
280     this.labelAction.Font = new System.Drawing.Font("Courier New", 13.875F, System.Drawing.FontStyle.Bold,    ↵
        System.Drawing.GraphicsUnit.Point, ((byte)(0)));
281     this.labelAction.Location = new System.Drawing.Point(1059, 1015);
282     this.labelAction.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
283     this.labelAction.Name = "labelAction";
284     this.labelAction.Size = new System.Drawing.Size(326, 41);
285     this.labelAction.TabIndex = 68;
286     this.labelAction.Text = "Running Action";
287     this.labelAction.TextAlign = System.Drawing.ContentAlignment.MiddleCenter;
288     //;
289     // tabControlDraggables
290     //;
291     this.tabControlDraggables.Controls.Add(this.Functions);
292     this.tabControlDraggables.Controls.Add(this.LoopsAndConditionals);
293     this.tabControlDraggables.Controls.Add(this.Conditions);
294     this.tabControlDraggables.Location = new System.Drawing.Point(61, 750);
295     this.tabControlDraggables.Margin = new System.Windows.Forms.Padding(4);
296     this.tabControlDraggables.Name = "tabControlDraggables";
297     this.tabControlDraggables.SelectedIndex = 0;
298     this.tabControlDraggables.Size = new System.Drawing.Size(785, 318);
299     this.tabControlDraggables.TabIndex = 69;
300     //;
301     // Functions
302     //;
303     this.Functions.AutoScroll = true;
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```
304         this.Functions.Controls.Add(this.panelFunction);
305         this.Functions.ForeColor = System.Drawing.SystemColors.ActiveCaption;
306         this.Functions.Location = new System.Drawing.Point(8, 39);
307         this.Functions.Margin = new System.Windows.Forms.Padding(4);
308         this.Functions.Name = "Functions";
309         this.Functions.Padding = new System.Windows.Forms.Padding(4);
310         this.Functions.Size = new System.Drawing.Size(769, 271);
311         this.Functions.TabIndex = 0;
312         this.Functions.Text = "Functions";
313         this.Functions.UseVisualStyleBackColor = true;
314         //
315         // LoopsAndConditionals
316         //
317         this.LoopsAndConditionals.Controls.Add(this.panelLoopsandCons);
318         this.LoopsAndConditionals.Location = new System.Drawing.Point(8, 39);
319         this.LoopsAndConditionals.Margin = new System.Windows.Forms.Padding(4);
320         this.LoopsAndConditionals.Name = "LoopsAndConditionals";
321         this.LoopsAndConditionals.Padding = new System.Windows.Forms.Padding(4);
322         this.LoopsAndConditionals.Size = new System.Drawing.Size(769, 271);
323         this.LoopsAndConditionals.TabIndex = 1;
324         this.LoopsAndConditionals.Text = "Loops and Conditional";
325         this.LoopsAndConditionals.UseVisualStyleBackColor = true;
326         //
327         // panelLoopsandCons
328         //
329         this.panelLoopsandCons.Controls.Add(this.pictureBoxIfElse);
330         this.panelLoopsandCons.Controls.Add(this.pictureBoxWhile);
331         this.panelLoopsandCons.Controls.Add(this.pictureBoxIf);
332         this.panelLoopsandCons.Controls.Add(this.pictureBoxFor);
333         this.panelLoopsandCons.Location = new System.Drawing.Point(4, 4);
334         this.panelLoopsandCons.Margin = new System.Windows.Forms.Padding(4);
335         this.panelLoopsandCons.Name = "panelLoopsandCons";
336         this.panelLoopsandCons.Size = new System.Drawing.Size(765, 148);
337         this.panelLoopsandCons.TabIndex = 20;
338         //
339         // pictureBoxIfElse
340         //
341         this.pictureBoxIfElse.AllowDrop = true;
342         this.pictureBoxIfElse.BackColor = System.Drawing.Color.FromArgb(((int)((byte)(128))), ((int)((byte)(128))), ((int)((byte)(255))));
343         this.pictureBoxIfElse.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxIfElse.Image"))); ↵
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344     this.pictureBoxIfElse.Location = new System.Drawing.Point(550, 4);
345     this.pictureBoxIfElse.Margin = new System.Windows.Forms.Padding(4);
346     this.pictureBoxIfElse.Name = "pictureBoxIfElse";
347     this.pictureBoxIfElse.Size = new System.Drawing.Size(175, 86);
348     this.pictureBoxIfElse.SizeMode = System.Windows.Forms.PictureBoxSizeModeSizeMode.Zoom;
349     this.pictureBoxIfElse.TabIndex = 20;
350     this.pictureBoxIfElse.TabStop = false;
351     this.pictureBoxIfElse.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
352     //
353     // pictureBoxWhile
354     //
355     this.pictureBoxWhile.AllowDrop = true;
356     this.pictureBoxWhile.BackColor = System.Drawing.Color.Red;
357     this.pictureBoxWhile.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxWhile.Image")));
358     this.pictureBoxWhile.Location = new System.Drawing.Point(4, 0);
359     this.pictureBoxWhile.Margin = new System.Windows.Forms.Padding(4);
360     this.pictureBoxWhile.Name = "pictureBoxWhile";
361     this.pictureBoxWhile.Size = new System.Drawing.Size(182, 90);
362     this.pictureBoxWhile.SizeMode = System.Windows.Forms.PictureBoxSizeModeSizeMode.Zoom;
363     this.pictureBoxWhile.TabIndex = 17;
364     this.pictureBoxWhile.TabStop = false;
365     this.pictureBoxWhile.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
366     //
367     // pictureBoxIf
368     //
369     this.pictureBoxIf.AllowDrop = true;
370     this.pictureBoxIf.BackColor = System.Drawing.Color.Blue;
371     this.pictureBoxIf.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxIf.Image")));
372     this.pictureBoxIf.Location = new System.Drawing.Point(380, 4);
373     this.pictureBoxIf.Margin = new System.Windows.Forms.Padding(4);
374     this.pictureBoxIf.Name = "pictureBoxIf";
375     this.pictureBoxIf.Size = new System.Drawing.Size(162, 86);
376     this.pictureBoxIf.SizeMode = System.Windows.Forms.PictureBoxSizeModeSizeMode.Zoom;
377     this.pictureBoxIf.TabIndex = 19;
378     this.pictureBoxIf.TabStop = false;
379     this.pictureBoxIf.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
380     //
381     // pictureBoxFor
382     //
383     this.pictureBoxFor.AllowDrop = true;
384     this.pictureBoxFor.BackColor = System.Drawing.Color.FromArgb(((int)((byte)(0))), ((int)((byte)(192))), ↴
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        ((int)((((byte)(0)))));  
385     this.pictureBoxFor.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxFor.Image")));  
386     this.pictureBoxFor.Location = new System.Drawing.Point(192, 4);  
387     this.pictureBoxFor.Margin = new System.Windows.Forms.Padding(4);  
388     this.pictureBoxFor.Name = "pictureBoxFor";  
389     this.pictureBoxFor.Size = new System.Drawing.Size(180, 86);  
390     this.pictureBoxFor.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;  
391     this.pictureBoxFor.TabIndex = 18;  
392     this.pictureBoxFor.TabStop = false;  
393     this.pictureBoxFor.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);  
394     //  
395     // Conditions  
396     //  
397     this.Conditions.Controls.Add(this.panelConditions);  
398     this.Conditions.Location = new System.Drawing.Point(8, 39);  
399     this.Conditions.Margin = new System.Windows.Forms.Padding(4);  
400     this.Conditions.Name = "Conditions";  
401     this.Conditions.Size = new System.Drawing.Size(769, 271);  
402     this.Conditions.TabIndex = 2;  
403     this.Conditions.Text = "Conditions";  
404     this.Conditions.UseVisualStyleBackColor = true;  
405     //  
406     // panelConditions  
407     //  
408     this.panelConditions.Controls.Add(this.pictureBoxBehindBlocked);  
409     this.panelConditions.Controls.Add(this.pictureBoxPainted);  
410     this.panelConditions.Controls.Add(this.pictureBoxRightBlocked);  
411     this.panelConditions.Controls.Add(this.pictureBoxNotPainted);  
412     this.panelConditions.Controls.Add(this.pictureBoxLeftBlocked);  
413     this.panelConditions.Controls.Add(this.pictureBoxNotBlocked);  
414     this.panelConditions.Location = new System.Drawing.Point(3, 3);  
415     this.panelConditions.Name = "panelConditions";  
416     this.panelConditions.Size = new System.Drawing.Size(746, 223);  
417     this.panelConditions.TabIndex = 78;  
418     //  
419     // pictureBoxBehindBlocked  
420     //  
421     this.pictureBoxBehindBlocked.AllowDrop = true;  
422     this.pictureBoxBehindBlocked.BackColor = System.Drawing.Color.MediumSlateBlue;  
423     this.pictureBoxBehindBlocked.Image = ((System.Drawing.Image)(resources.GetObject  
        ("pictureBoxBehindBlocked.Image")));
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```
424     this.pictureBoxBehindBlocked.Location = new System.Drawing.Point(184, 108);
425     this.pictureBoxBehindBlocked.Margin = new System.Windows.Forms.Padding(4);
426     this.pictureBoxBehindBlocked.Name = "pictureBoxBehindBlocked";
427     this.pictureBoxBehindBlocked.Size = new System.Drawing.Size(188, 106);
428     this.pictureBoxBehindBlocked.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
429     this.pictureBoxBehindBlocked.TabIndex = 24;
430     this.pictureBoxBehindBlocked.TabStop = false;
431     this.pictureBoxBehindBlocked.MouseDown += new System.Windows.Forms.MouseEventHandler
432         (this.pictureBox_MouseDown);
433     //
434     // pictureBoxPainted
435     //
436     this.pictureBoxPainted.AllowDrop = true;
437     this.pictureBoxPainted.BackColor = System.Drawing.Color.Red;
438     this.pictureBoxPainted.Image = ((System.Drawing.Image)(resources.GetObject("pictureBoxPainted.Image")));
439     this.pictureBoxPainted.Location = new System.Drawing.Point(2, 8);
440     this.pictureBoxPainted.Margin = new System.Windows.Forms.Padding(4);
441     this.pictureBoxPainted.Name = "pictureBoxPainted";
442     this.pictureBoxPainted.Size = new System.Drawing.Size(176, 94);
443     this.pictureBoxPainted.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
444     this.pictureBoxPainted.TabIndex = 19;
445     this.pictureBoxPainted.TabStop = false;
446     this.pictureBoxPainted.MouseDown += new System.Windows.Forms.MouseEventHandler(this.pictureBox_MouseDown);
447     //
448     // pictureBoxRightBlocked
449     //
450     this.pictureBoxRightBlocked.AllowDrop = true;
451     this.pictureBoxRightBlocked.BackColor = System.Drawing.Color.Blue;
452     this.pictureBoxRightBlocked.Image = ((System.Drawing.Image)(resources.GetObject
453         ("pictureBoxRightBlocked.Image")));
454     this.pictureBoxRightBlocked.Location = new System.Drawing.Point(2, 108);
455     this.pictureBoxRightBlocked.Margin = new System.Windows.Forms.Padding(4);
456     this.pictureBoxRightBlocked.Name = "pictureBoxRightBlocked";
457     this.pictureBoxRightBlocked.Size = new System.Drawing.Size(176, 106);
458     this.pictureBoxRightBlocked.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
459     this.pictureBoxRightBlocked.TabIndex = 23;
460     this.pictureBoxRightBlocked.TabStop = false;
461     this.pictureBoxRightBlocked.MouseDown += new System.Windows.Forms.MouseEventHandler
462         (this.pictureBox_MouseDown);
463     //
464     // pictureBoxNotPainted
```

```
462     //  
463     this.pictureBoxNotPainted.AllowDrop = true;  
464     this.pictureBoxNotPainted.BackColor = System.Drawing.Color.FromArgb(((int)((byte)(255))), ((int)((byte) ↵  
    (128)))), ((int)((byte)(0))));  
465     this.pictureBoxNotPainted.Image = ((System.Drawing.Image)(resources.GetObject  
        ("pictureBoxNotPainted.Image")));  
466     this.pictureBoxNotPainted.Location = new System.Drawing.Point(184, 8);  
467     this.pictureBoxNotPainted.Margin = new System.Windows.Forms.Padding(4);  
468     this.pictureBoxNotPainted.Name = "pictureBoxNotPainted";  
469     this.pictureBoxNotPainted.Size = new System.Drawing.Size(188, 94);  
470     this.pictureBoxNotPainted.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;  
471     this.pictureBoxNotPainted.TabIndex = 20;  
472     this.pictureBoxNotPainted.TabStop = false;  
473     this.pictureBoxNotPainted.MouseDown += new System.Windows.Forms.MouseEventHandler  
        (this.pictureBox_MouseDown);  
474     //  
475     // pictureBoxLeftBlocked  
476     //  
477     this.pictureBoxLeftBlocked.AllowDrop = true;  
478     this.pictureBoxLeftBlocked.BackColor = System.Drawing.Color.FromArgb(((int)((byte)(0))), ((int)((byte) ↵  
    (192))), ((int)((byte)(0))));  
479     this.pictureBoxLeftBlocked.Image = ((System.Drawing.Image)(resources.GetObject  
        ("pictureBoxLeftBlocked.Image")));  
480     this.pictureBoxLeftBlocked.Location = new System.Drawing.Point(566, 8);  
481     this.pictureBoxLeftBlocked.Margin = new System.Windows.Forms.Padding(4);  
482     this.pictureBoxLeftBlocked.Name = "pictureBoxLeftBlocked";  
483     this.pictureBoxLeftBlocked.Size = new System.Drawing.Size(176, 94);  
484     this.pictureBoxLeftBlocked.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;  
485     this.pictureBoxLeftBlocked.TabIndex = 22;  
486     this.pictureBoxLeftBlocked.TabStop = false;  
487     this.pictureBoxLeftBlocked.MouseDown += new System.Windows.Forms.MouseEventHandler  
        (this.pictureBox_MouseDown);  
488     //  
489     // pictureBoxNotBlocked  
490     //  
491     this.pictureBoxNotBlocked.AllowDrop = true;  
492     this.pictureBoxNotBlocked.BackColor = System.Drawing.Color.Gold;  
493     this.pictureBoxNotBlocked.Image = ((System.Drawing.Image)(resources.GetObject  
        ("pictureBoxNotBlocked.Image")));  
494     this.pictureBoxNotBlocked.Location = new System.Drawing.Point(378, 8);  
495     this.pictureBoxNotBlocked.Margin = new System.Windows.Forms.Padding(4);
```

```
496     this.pictureBoxNotBlocked.Name = "pictureBoxNotBlocked";
497     this.pictureBoxNotBlocked.Size = new System.Drawing.Size(180, 94);
498     this.pictureBoxNotBlocked.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
499     this.pictureBoxNotBlocked.TabIndex = 21;
500     this.pictureBoxNotBlocked.TabStop = false;
501     this.pictureBoxNotBlocked.MouseDown += new System.Windows.Forms.MouseEventHandler
502         (this.pictureBox_MouseDown);
503     // 
504     // buttonReset
505     // 
506     this.buttonReset.BackColor = System.Drawing.SystemColors.ButtonHighlight;
507     this.buttonReset.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,
508         System.Drawing.GraphicsUnit.Point, ((byte)(0)));
509     this.buttonReset.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
510     this.buttonReset.Location = new System.Drawing.Point(1446, 952);
511     this.buttonReset.Margin = new System.Windows.Forms.Padding(4);
512     this.buttonReset.Name = "buttonReset";
513     this.buttonReset.Size = new System.Drawing.Size(126, 42);
514     this.buttonReset.TabIndex = 70;
515     this.buttonReset.Text = "Reset";
516     this.buttonReset.TextAlign = System.Drawing.ContentAlignment.TopCenter;
517     this.buttonReset.UseVisualStyleBackColor = false;
518     this.buttonReset.Click += new System.EventHandler(this.buttonReset_Click);
519     // 
520     // buttonStep
521     // 
522     this.buttonStep.BackColor = System.Drawing.SystemColors.ButtonHighlight;
523     this.buttonStep.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,
524         System.Drawing.GraphicsUnit.Point, ((byte)(0)));
525     this.buttonStep.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
526     this.buttonStep.Location = new System.Drawing.Point(1288, 952);
527     this.buttonStep.Margin = new System.Windows.Forms.Padding(4);
528     this.buttonStep.Name = "buttonStep";
529     this.buttonStep.Size = new System.Drawing.Size(126, 42);
530     this.buttonStep.TabIndex = 71;
531     this.buttonStep.Text = "Step";
532     this.buttonStep.TextAlign = System.Drawing.ContentAlignment.TopCenter;
533     this.buttonStep.UseVisualStyleBackColor = false;
534     this.buttonStep.Click += new System.EventHandler(this.buttonStep_Click);
535     // 
536     // buttonLesson
```

```
534     //  
535     this.buttonLesson.BackColor = System.Drawing.SystemColors.ButtonHighlight;  
536     this.buttonLesson.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));  
537     this.buttonLesson.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;  
538     this.buttonLesson.ImageAlign = System.Drawing.ContentAlignment.TopCenter;  
539     this.buttonLesson.Location = new System.Drawing.Point(852, 10);  
540     this.buttonLesson.Margin = new System.Windows.Forms.Padding(4);  
541     this.buttonLesson.Name = "buttonLesson";  
542     this.buttonLesson.Size = new System.Drawing.Size(176, 44);  
543     this.buttonLesson.TabIndex = 72;  
544     this.buttonLesson.Text = "Lesson";  
545     this.buttonLesson.TextAlign = System.Drawing.ContentAlignment.TopCenter;  
546     this.buttonLesson.UseVisualStyleBackColor = false;  
547     this.buttonLesson.Click += new System.EventHandler(this.buttonLesson_Click);  
548     //  
549     // listBoxLessons  
550     //  
551     this.listBoxLessons.BackColor = System.Drawing.Color.White;  
552     this.listBoxLessons.Font = new System.Drawing.Font("Courier New", 9.75F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));  
553     this.listBoxLessons.FormattingEnabled = true;  
554     this.listBoxLessons.ItemHeight = 29;  
555     this.listBoxLessons.Items.AddRange(new object[] {  
556         "Introduction",  
557         "Lesson 1",  
558         "Lesson 2",  
559         "Lesson 3",  
560         "Lesson 4",  
561         "Lesson 5",  
562         "Lesson 6",  
563         "Lesson 7"});  
564     this.listBoxLessons.Location = new System.Drawing.Point(512, 6);  
565     this.listBoxLessons.Margin = new System.Windows.Forms.Padding(4);  
566     this.listBoxLessons.Name = "listBoxLessons";  
567     this.listBoxLessons.Size = new System.Drawing.Size(326, 91);  
568     this.listBoxLessons.TabIndex = 74;  
569     this.listBoxLessons.SelectedIndexChanged += new System.EventHandler  
        (this.listBoxLessons_SelectedIndexChanged);  
570     //  
571     // saveFileDialog1
```

```
572         //  
573         this.saveFileDialog1.DefaultExt = "txt";  
574         //  
575         // RTBprog  
576         //  
577         this.RTBprog.AllowDrop = true;  
578         this.RTBprog.Font = new System.Drawing.Font("Courier New", 12F, System.Drawing.FontStyle.Regular,  
      System.Drawing.GraphicsUnit.Point, ((byte)(0)));  
579         this.RTBprog.Location = new System.Drawing.Point(28, 88);  
580         this.RTBprog.Margin = new System.Windows.Forms.Padding(2);  
581         this.RTBprog.Name = "RTBprog";  
582         this.RTBprog.Size = new System.Drawing.Size(864, 654);  
583         this.RTBprog.TabIndex = 75;  
584         this.RTBprog.Text = "";  
585         this.RTBprog.DragDrop += new System.Windows.Forms.DragEventHandler(this.RTBProg_DragDrop);  
586         this.RTBprog.DragEnter += new System.Windows.Forms.DragEventHandler(this.RTBProg_DragEnter);  
587         this.RTBprog.TextChanged += new System.EventHandler(this.RTBprog_TextChanged);  
588         //  
589         // buttonRef  
590         //  
591         this.buttonRef.BackColor = System.Drawing.SystemColors.ButtonHighlight;  
592         this.buttonRef.Font = new System.Drawing.Font("Courier New", 10.125F, System.Drawing.FontStyle.Bold,  
      System.Drawing.GraphicsUnit.Point, ((byte)(0)));  
593         this.buttonRef.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;  
594         this.buttonRef.Location = new System.Drawing.Point(1338, 6);  
595         this.buttonRef.Margin = new System.Windows.Forms.Padding(4);  
596         this.buttonRef.Name = "buttonRef";  
597         this.buttonRef.Size = new System.Drawing.Size(180, 42);  
598         this.buttonRef.TabIndex = 76;  
599         this.buttonRef.Text = "Reference";  
600         this.buttonRef.TextAlign = System.Drawing.ContentAlignment.TopCenter;  
601         this.buttonRef.UseVisualStyleBackColor = false;  
602         this.buttonRef.Click += new System.EventHandler(this.buttonRef_Click);  
603         //  
604         // labelTitle  
605         //  
606         this.labelTitle.AutoSize = true;  
607         this.labelTitle.BackColor = System.Drawing.Color.Transparent;  
608         this.labelTitle.Font = new System.Drawing.Font("Courier New", 24F, System.Drawing.FontStyle.Bold,  
      System.Drawing.GraphicsUnit.Point, ((byte)(0)));  
609         this.labelTitle.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;
```

```
610     this.labelTitle.Location = new System.Drawing.Point(24, 10);
611     this.labelTitle.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
612     this.labelTitle.Name = "labelTitle";
613     this.labelTitle.Size = new System.Drawing.Size(260, 73);
614     this.labelTitle.TabIndex = 77;
615     this.labelTitle.Text = "Karela";
616     //
617     // main
618     //
619     this.AllowDrop = true;
620     this.AutoScaleDimensions = new System.Drawing.SizeF(12F, 25F);
621     this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
622     this.AutoSize = true;
623     this.AutoSizeMode = System.Windows.Forms.AutoSizeMode.GrowAndShrink;
624     this.BackColor = System.Drawing.SystemColors.ActiveBorder;
625     this.BackgroundImageLayout = System.Windows.Forms.ImageLayout.Stretch;
626     this.ClientSize = new System.Drawing.Size(1768, 1074);
627     this.Controls.Add(this.labelTitle);
628     this.Controls.Add(this.buttonRef);
629     this.Controls.Add(this.RTBprog);
630     this.Controls.Add(this.listBoxLessons);
631     this.Controls.Add(this.buttonLesson);
632     this.Controls.Add(this.buttonStep);
633     this.Controls.Add(this.buttonReset);
634     this.Controls.Add(this.tabControlDraggables);
635     this.Controls.Add(this.labelAction);
636     this.Controls.Add(this.tableLayoutPanelGrid);
637     this.Controls.Add(this.label2);
638     this.Controls.Add(this.buttonSave);
639     this.Controls.Add(this.buttonLoad);
640     this.Controls.Add(this.buttonRun);
641     this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;
642     this.Margin = new System.Windows.Forms.Padding(4);
643     this.Name = "main";
644     this.StartPosition = System.Windows.Forms.FormStartPosition.WindowsDefaultBounds;
645     this.Text = "Karela";
646     this.Activated += new System.EventHandler(this.main_Activate);
647     this.Deactivate += new System.EventHandler(this.main_Deactivate);
648     this.Load += new System.EventHandler(this.main_Load);
649     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxMove)).EndInit();
650     this.panelFunction.ResumeLayout(false);
```

```
651     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnAround)).EndInit();
652     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnRight)).EndInit();
653     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxErase)).EndInit();
654     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPaint)).EndInit();
655     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxTurnLeft)).EndInit();
656     this.tabControlDraggables.ResumeLayout(false);
657     this.Functions.ResumeLayout(false);
658     this.LoopsAndConditionals.ResumeLayout(false);
659     this.panelLoopsandCons.ResumeLayout(false);
660     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxIfElse)).EndInit();
661     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxWhile)).EndInit();
662     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxIf)).EndInit();
663     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxFor)).EndInit();
664     this.Conditions.ResumeLayout(false);
665     this.panelConditions.ResumeLayout(false);
666     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxBehindBlocked)).EndInit();
667     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPainted)).EndInit();
668     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxRightBlocked)).EndInit();
669     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxNotPainted)).EndInit();
670     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxLeftBlocked)).EndInit();
671     ((System.ComponentModel.ISupportInitialize)(this.pictureBoxNotBlocked)).EndInit();
672     this.ResumeLayout(false);
673     this.PerformLayout();
674 }
675 }
676 #endregion
677 public System.Windows.Forms.Button buttonRun;
678 private System.Windows.Forms.Button buttonLoad;
679 private System.Windows.Forms.Button buttonSave;
680 private System.Windows.Forms.Label label2;
681 private System.Windows.Forms.PictureBox pictureBoxMove;
682 private System.ComponentModel.BackgroundWorker backgroundWorker1;
683 private System.ComponentModel.BackgroundWorker backgroundWorker2;
684 private System.Windows.Forms.TableLayoutPanel tableLayoutPanelGrid;
685 private System.Windows.Forms.Panel panelFunction;
686 private System.Windows.Forms.PictureBox pictureBoxTurnLeft;
687 private System.Windows.Forms.Label labelAction;
688 private System.Windows.Forms.PictureBox pictureBoxPaint;
689 private System.Windows.Forms.PictureBox pictureBoxErase;
690 private System.Windows.Forms.TabControl tabControlDraggables;
```

```
692     private System.Windows.Forms.TabPage Functions;
693     private System.Windows.Forms.TabPage LoopsAndConditionals;
694     private System.Windows.Forms.PictureBox pictureBoxWhile;
695     private System.Windows.Forms.TabPage Conditions;
696     private System.Windows.Forms.PictureBox pictureBoxTurnRight;
697     private System.Windows.Forms.PictureBox pictureBoxTurnAround;
698     private System.Windows.Forms.PictureBox pictureBoxIf;
699     private System.Windows.Forms.PictureBox pictureBoxFor;
700     private System.Windows.Forms.PictureBox pictureBoxBehindBlocked;
701     private System.Windows.Forms.PictureBox pictureBoxRightBlocked;
702     private System.Windows.Forms.PictureBox pictureBoxLeftBlocked;
703     private System.Windows.Forms.PictureBox pictureBoxNotBlocked;
704     private System.Windows.Forms.PictureBox pictureBoxNotPainted;
705     private System.Windows.Forms.PictureBox pictureBoxPainted;
706     private System.Windows.Forms.Panel panelLoopsandCons;
707     private System.Windows.Forms.Button buttonReset;
708     private System.Windows.Forms.Button buttonStep;
709     private System.Windows.Forms.Button buttonLesson;
710     private System.Windows.Forms.ListBox listBoxLessons;
711     private System.Windows.Forms.OpenFileDialog openFileDialog1;
712     private System.Windows.Forms.SaveFileDialog saveFileDialog1;
713     private System.Windows.Forms.RichTextBox RTBprog;
714     private System.Windows.Forms.Button buttonRef;
715     private System.Windows.Forms.Label labelTitle;
716     private System.Windows.Forms.Panel panelConditions;
717     private System.Windows.Forms.PictureBox pictureBoxIfElse;
718 }
719 }
720
721
```