

```
//Alexander Popov
//St. Norbert College
//CS460
//March 3, 2011

//Sample Bytes to Int and Int to Bytes Conversion Program
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace _16BitConversion
{
    class Program
    {
        static void Main(string[] args)
        {
            //CONVERT HIGH/LOW Bytes to Int
            Console.Write("Enter HIGH byte: ");
            byte high = Convert.ToByte(Console.ReadLine());
            Console.WriteLine();
            Console.Write("Enter LOW byte: ");
            byte low = Convert.ToByte(Console.ReadLine());

            Int16 final = 0;

            Console.Write("Intiger IS: ");
            final = (Int16)((((short)high * (short)256)+ (short)low);
            Console.Write(final);

            //CONVERT INT TO HIGH/LOW BYTES

            //Display High And Low Byte
            Console.WriteLine();
            Console.Write("Enter Intiger to be parsed: ");
            int read = Convert.ToInt16(Console.Read());
            //Int16 read = (short)-10;
            high = Convert.ToByte((read >> 8) & 0xff);
            low = Convert.ToByte(read & 0xff);
            Console.WriteLine();
            Console.Write("High: " + high.ToString() + " Low: " + low.ToString());

            Console.Read();
        }
    }
}
```