//Gabriel Pereira Alves - 1°DSN  
**using** System;  
**using** System.Collections.Generic;  
**using** System.Drawing;  
**using** System.Windows.Forms;  
  
**namespace** Listagem\_Carros  
{  
    **public** partial class MainForm : Form  
    {  
        **public** **MainForm**()  
        {  
            **InitializeComponent**();  
        }  
          
        void **MainFormLoad**(object sender, EventArgs e)  
        {  
            richTextBox1.**LoadFile**("veiculosIn.txt", RichTextBoxStreamType.PlainText);  
        }  
          
        void **Button1Click**(object sender, EventArgs e)  
        {  
            **float**[] consumoMedio = **new** **float**[richTextBox1.Lines.Length - 1];  
            **float** consumoMedioTotal = 0;  
            **for**(**int** i = 0; i < richTextBox1.Lines.Length - 1; i++)  
            {  
                string linha = richTextBox1.Lines[i];  
                string[] dados = linha.**Split**('@');  
                consumoMedio[i] = (**float**.**Parse**(dados[1]) / **float**.**Parse**(dados[2]));  
            }  
            **for**(**int** i = 0; i < consumoMedio.Length;i++)  
            {  
                consumoMedioTotal = consumoMedioTotal + consumoMedio[i];  
            }  
            consumoMedioTotal = consumoMedioTotal / consumoMedio.Length;  
            **for**(**int** i = 0; i < richTextBox1.Lines.Length - 1; i++)  
            {  
                string linha = richTextBox1.Lines[i];  
                string[] dados = linha.**Split**('@');  
                **if**(consumoMedio[i] > consumoMedioTotal)  
                {  
                    richTextBox2.**AppendText**(dados[0] + "\n");  
                }  
            }  
            richTextBox2.**SaveFile**("veiculosOut.txt", RichTextBoxStreamType.PlainText);  
        }  
    }  
}