Homework – 1

1.

Graphical user interface, text, application

Description automatically generated

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Text;

using System.Threading.Tasks;

using System.Xml;

namespace HomeWork\_1

{

internal class Program

{

static void Main(string[] args)

{

// Creation of variables

double miles, km;

// Create text + user input

// Converts miles string to double from user input

Console.WriteLine("Welcome to Miles --> kilometer converter \n");

Console.Write("Enter miles ");

miles = Convert.ToDouble(Console.ReadLine());

// Math calculation + round to 2 decimals

km = Math.Round(miles \* 1.609344 , 2);

// Types output

Console.WriteLine("The conversion from " + miles + " miles to kilometers is: " + km + "km");

// I like double space. Culd be added in previous text as \n , but this way

// I assure that it will be always a double space at the very end of my code.

Console.WriteLine();

}

}

}

2.

Graphical user interface, text, application

Description automatically generated

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace HomeWork\_1.\_2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

double miles, km;

miles = Double.Parse(textBox1.Text);

km = Math.Round(miles \* 1.609 , 2);

textBox2.Text = Convert.ToString(km);

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

}

}

Text

Description automatically generated

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Homework\_1.\_3

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Welcome to the grade calculator \n");

double hw, project, quiz, exam, fexam, total;

Console.Write("Homework (10%): ");

hw = Convert.ToDouble(Console.ReadLine());

Console.Write("Projects (25%): ");

project = Convert.ToDouble(Console.ReadLine());

Console.Write("Quizzes (20%): ");

quiz = Convert.ToDouble(Console.ReadLine());

Console.Write("Exams (20%): ");

exam = Convert.ToDouble(Console.ReadLine());

Console.Write("Final Exam (25%): ");

fexam = Convert.ToDouble(Console.ReadLine());

total = Math.Round(hw\*0.1 + project\*0.25 + quiz\*0.20 + exam\*0.2 + fexam\*0.25 , 1) ;

Console.WriteLine("The total grade is: " + total);

Console.WriteLine();

}

}

}