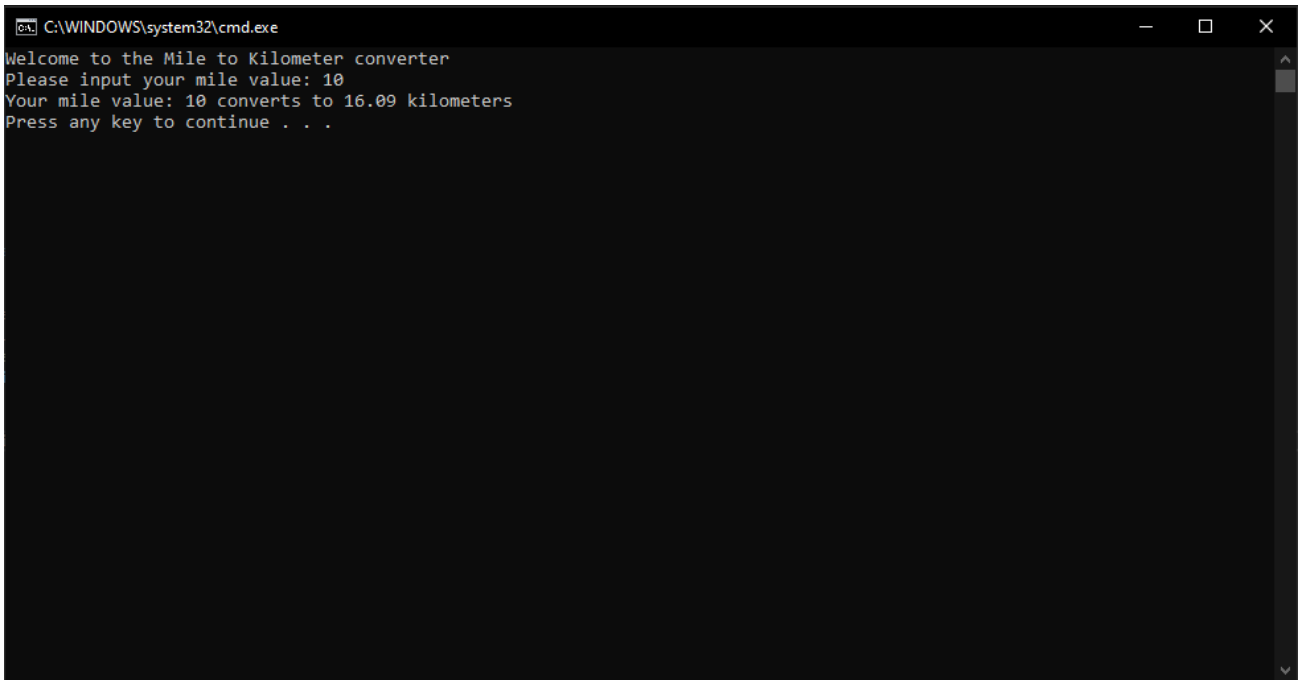
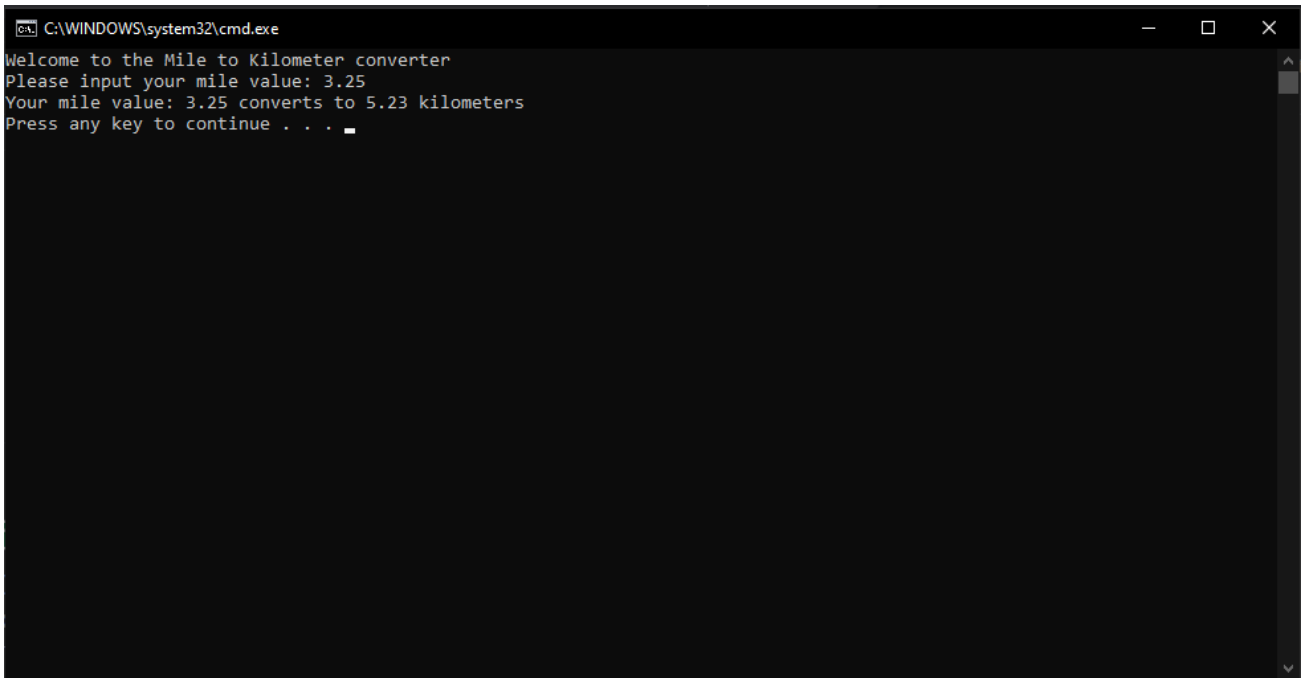
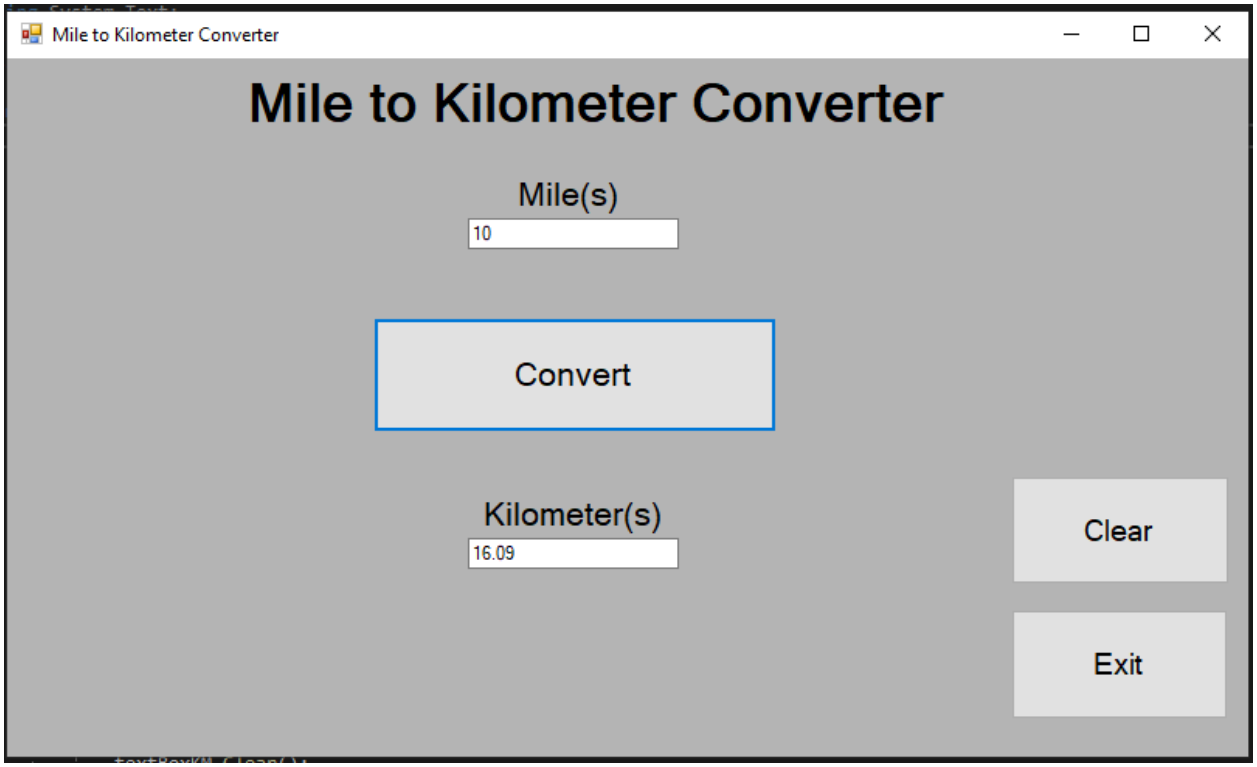
1. Write a C# Console application that converts a mile into its equivalent metric kilometer measurement. The program asks the user to input the value of miles to be converted and displays the original miles and the converted value . Test your code with inputs (1) 10 miles, (2) 3.25 miles.

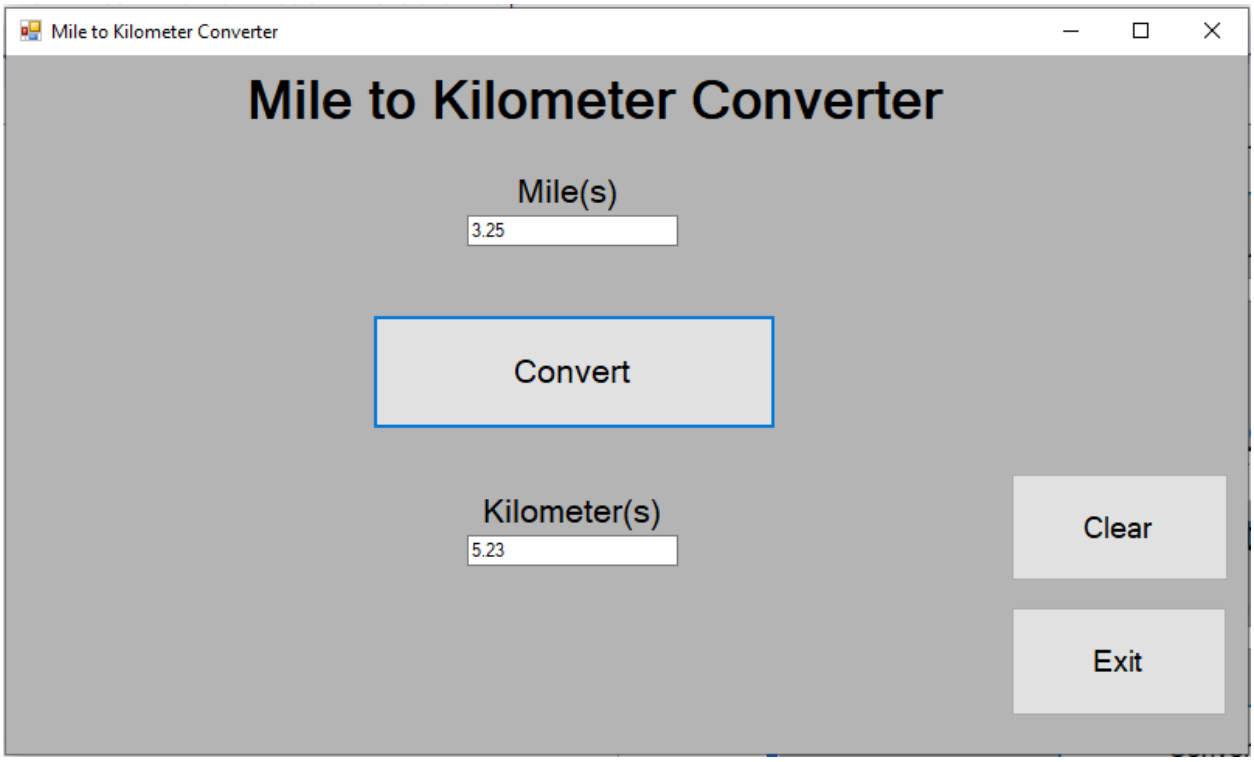




```
    class Program
    {
        static void Main(string[] args)
        {
            double mile, km;
            Console.WriteLine("Welcome to the Mile to Kilometer converter");
            Console.Write("Please input your mile value: ");
            string mileS = Console.ReadLine();
            mile = Convert.ToDouble(mileS);
            km = mile * 1.60934;
            km=Math.Round(km, 2);
            Console.WriteLine("Your mile value: " + mile + " converts to " + km + " kilometers");
        }
    }
}
```

2. Design a C# Windows Forms Application that solves Problem 1.





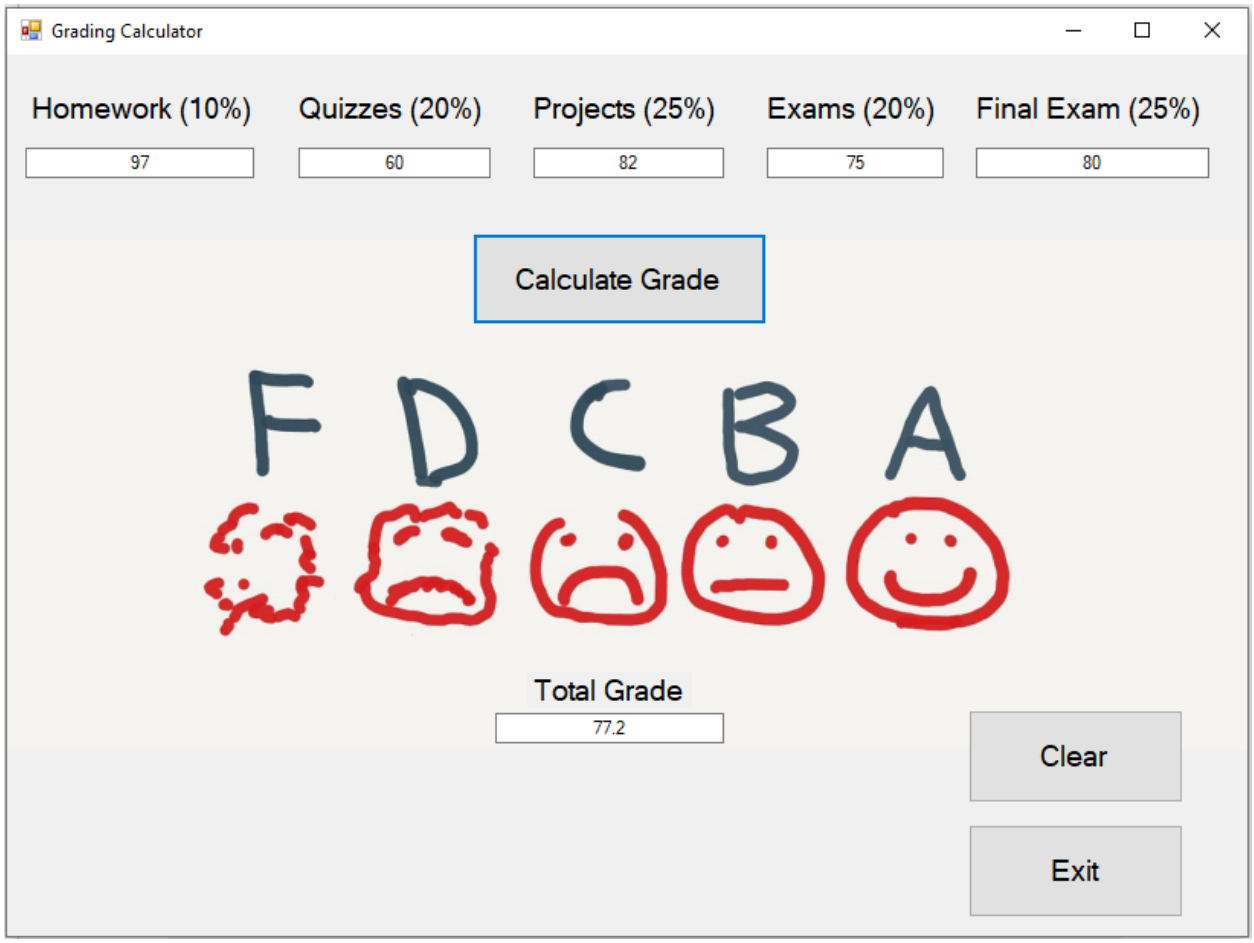
```
public partial class Form1 : Form
   {
      public Form1()
      {
         InitializeComponent();
      }

      private void button1_Click(object sender, EventArgs e)
      {
         double mile, km;
         string mileS = textBoxMile.Text;
         mile = Convert.ToDouble(mileS);
         km = mile * 1.60934;
         km = Math.Round(km, 2);
         string kilometer = Convert.ToString(km);
         textBoxKM.Text = kilometer;
      }

      private void buttonClear_Click(object sender, EventArgs e)
      {
         textBoxMile.Clear();
         textBoxKM.Clear();
      }

      private void buttonExit_Click(object sender, EventArgs e)
      {
         Application.Exit();
      }
   }
}
```

Write a C# program (Your choice of Windows Forms application , or, Console Application) that computes a weighted total grade (with precision to 1 decimal digit).




```
public partial class Form1 : Form
   {
      public Form1()
      {
         InitializeComponent();
```

```
        }

        private void button1_Click(object sender, EventArgs e)
        {
            double hw, quiz, project, exam, finalexam, sum;
            string hwS = textBoxHW.Text;
            hw = Convert.ToDouble(hwS) * 0.10;
            string quizS = textBoxQuiz.Text;
            quiz = Convert.ToDouble(quizS) * 0.20;
            string projectS = textBoxProject.Text;
            project = Convert.ToDouble(projectS) * 0.25;
            string examS = textBoxExam.Text;
            exam = Convert.ToDouble(examS) * 0.20;
            string feS = textBoxFinalExam.Text;
            finalexam = Convert.ToDouble(feS) * 0.25;
            sum = hw + quiz + project + exam + finalexam;
            Math.Round(sum, 1);
            string sumfinal = Convert.ToString(sum);
            textBoxTotalGrade.Text = sumfinal;
        }

        private void button2_Click(object sender, EventArgs e)
        {
            textBoxExam.Clear();
            textBoxFinalExam.Clear();
            textBoxHW.Clear();
            textBoxProject.Clear();
            textBoxQuiz.Clear();
            textBoxTotalGrade.Clear();
        }

        private void buttonExit_Click(object sender, EventArgs e)
        {
            Application.Exit();

        }
    }
}
```