Lab 05

Add a separate class file to Console application program and create a method call *private void sayHello().*
Inside the method display hello world.
In main class create object and try to access the sayHello() method by using the class object.
Can you access the method? Explain why?

```
using System;


namespace ConsoleApplication1
{
   public class MyClass
   {
      private void sayHello()
      {
         Console.WriteLine("Hello, world!");
      }
   }


   class Program
   {
      static void Main(string[] args)
      {


         MyClass myClass = new MyClass();




         myClass.sayHello();
```

```
    }
  }
}
```

Declare a Single dimensional array with 10 elements. Input the values to the array and find the followings,

- • Minimum value.
- • Maximum value.
- • Average value.
- • Reverse order of values.

Hint – use a method which in separate class. And call the method from main the method.

```
using System;


namespace ConsoleApplication1
{
  public class MyClass
  {
    public void FindMinMaxAverageReverse(int[] array)
    {

      int minValue = array[0];
      for (int i = 1; i < array.Length; i++)
      {
        if (array[i] < minValue)
        {
          minValue = array[i];
        }
      }
```

```
int maxValue = array[0];
for (int i = 1; i < array.Length; i++)
{
   if (array[i] > maxValue)
   {
      maxValue = array[i];
   }
}



int sum = 0;
for (int i = 0; i < array.Length; i++)
{
   sum += array[i];
}
float average = sum / array.Length;



int[] reversedArray = new int[array.Length];
for (int i = array.Length - 1; i >= 0; i--)
{
   reversedArray[array.Length - 1 - i] = array[i];
}



Console.WriteLine("The minimum value is " + minValue);
Console.WriteLine("The maximum value is " + maxValue);
```

```
        Console.WriteLine("The average value is " + average);
        Console.WriteLine("The reversed array is " + string.Join(", ", reversedArray));
    }
  }

  class Program
  {
    static void Main(string[] args)
    {

      int[] array = new int[10];



      for (int i = 0; i < array.Length; i++)
      {
        array[i] = int.Parse(Console.ReadLine());
      }



      MyClass myClass = new MyClass();
      myClass.FindMinMaxAverageReverse(array);



      Console.ReadKey();
    }
  }
}
```