***Practical 03***

private void sayHello()

{

Console.WriteLine("Hello, World!");

}

static void Main(string[] args)

{

Greetings greetings = new Greetings();

greetings.sayHello();

}

Because private class is accessible inside the class it created only. It can’t access to other classes.

public class ArrayOperations

{

public void FindMinAndMax(int[] arr)

{

int min = arr[0];

int max = arr[0];

foreach (int num in arr)

{

if (num < min)

min = num;

if (num > max)

max = num;

}

Console.WriteLine($"Minimum value: {min}");

Console.WriteLine($"Maximum value: {max}");

}

public double FindAverage(int[] arr)

{

int sum = 0;

foreach (int num in arr)

{

sum += num;

}

return (double)sum / arr.Length;

}

public void ReverseArray(int[] arr)

{

Console.WriteLine("Reversed order of values:");

for (int i = arr.Length - 1; i >= 0; i--)

{

Console.Write($"{arr[i]} ");

}

Console.WriteLine();

}

static void Main(string[] args)

{

int[] array = new int[10];

Console.WriteLine("Enter 10 integer values for the array:");

for (int i = 0; i < 10; i++)

{

array[i] = int.Parse(Console.ReadLine());

}

ArrayOperations arrayOps = new ArrayOperations();

arrayOps.FindMinAndMax(array);

double average = arrayOps.FindAverage(array);

Console.WriteLine($"Average value: {average}");

arrayOps.ReverseArray(array);

}

public class ArrayInputClass

{

public void TakeUserInputs(int size)

{

int[] array = new int[size \* 2];

Console.WriteLine($"Enter {size} integer values for the array:");

for (int i = 0; i < size; i++)

{

array[i \* 2] = int.Parse(Console.ReadLine());

array[i \* 2 + 1] = 0;

}

Console.WriteLine("Values inside the array:");

foreach (int value in array)

{

Console.Write($"{value} ");

}

}

public class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter the size of the array:");

int size = int.Parse(Console.ReadLine());

ArrayInputClass arrayInput = new ArrayInputClass();

arrayInput.TakeUserInputs(size);

}