Task -1-4

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Lab_task
{
   public class Program
   {
      public static void Main(string[] args)
      {
         //Task-1
         Student student_1 = new Student();
         student_1.display_age();

         //Task-2
         Grading_calculation student_3 = new Grading_calculation(54, 89, 75, 97);
         student_3.Calculation();
         Grading_calculation student_2 = new Grading_calculation(80, 95, 88, 81);
         student_2.Calculation();
         Grading_calculation student_4 = new Grading_calculation(79, 914, 68, 98);
         //student_4.Calculation();

         //Task-3
         Console.WriteLine("Total number of student is : " + Grading_calculation.number_of_student);


         Console.ReadKey();
      }
   }

   public class Student
```

```
{
    public void display_age()
    {
        int age = 0;
        Console.WriteLine("The age is : " + age + 5);
    }
}

public class Grading_calculation
{
    public int oop_2, computer_graphics, algorithms, oop_1, avg;
    public string grade = "";
    public static int number_of_student;
    public const int min = 0, max = 100;

    public Grading_calculation(int oop_2, int computer_graphics, int algorithms, int oop_1)
    {
        if ((oop_2 >= min && oop_2 <= max) &&  (computer_graphics>= min && computer_graphics <= max) &&  (algorithms >= min &&
algorithms <= max) && (oop_1 >=min && oop_1 <= max))
        {
            this.oop_2 = oop_2;
            this.computer_graphics = computer_graphics;
            this.algorithms = algorithms;
            this.oop_1 = oop_1;
            number_of_student++;
        }

        else
        {
            Console.WriteLine("Given number should between " + min + " to " + max);
        }
    }

    public void Calculation()
    {
```

```
avg = ((oop_2 + computer_graphics + algorithms + oop_1) / 4);

if(avg <= 49)
{
   grade = "F";
   Console.WriteLine("You failed");
}

else if (avg >= 50 && avg <= 59)
{
   grade = "D";
   Console.WriteLine("you passed with grade : " + grade);
}

else if (avg >= 60 && avg <= 64)
{
   grade = "D+";
   Console.WriteLine("you passed with grade : " + grade);
}

else if (avg >= 65 && avg <= 69)
{
   grade = "C";
   Console.WriteLine("you passed with grade : " + grade);
}

else if (avg >= 70 && avg <= 74)
{
   grade = "C+";
   Console.WriteLine("you passed with grade : " + grade);
}

else if (avg >= 75 && avg <= 79)
{
```

```
            grade = "B+";
            Console.WriteLine("you passed with grade : " + grade);
        }

        else if (avg >= 80 && avg <= 84)
        {
            grade = "B";
            Console.WriteLine("you passed with grade : " + grade);
        }

        else if (avg >= 85 && avg <= 89)
        {
            grade = "A";
            Console.WriteLine("you passed with grade : " + grade);
        }

        else
        {
            grade = "A+";
            Console.WriteLine("you pass with grade : " + grade);
        }
    }
  }
}
```