OOP LAB TASK 8

Name: Shahmeer khan.

Class ID: 106278.

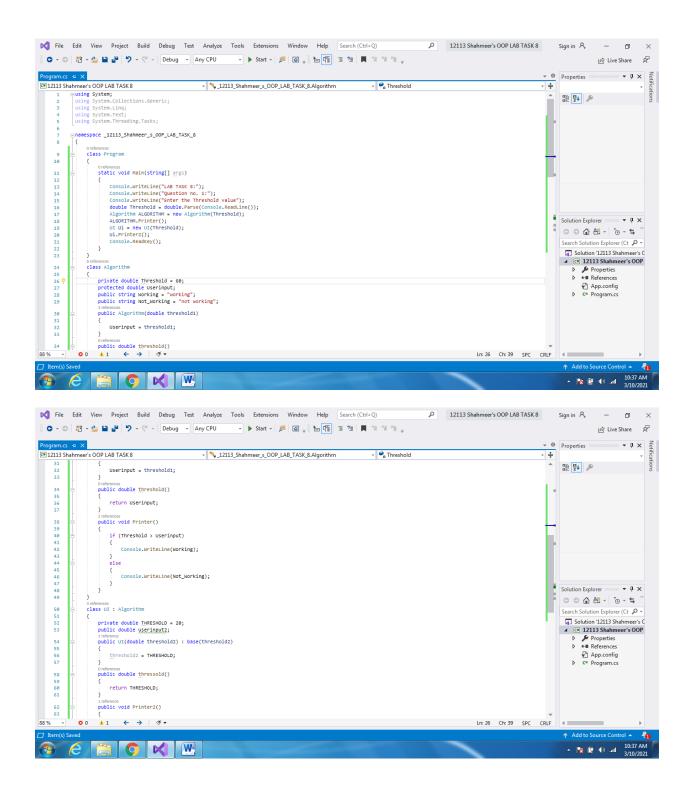
Student ID: 12113.

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Question no. 1:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace _12113_Shahmeer_s_OOP_LAB_TASK_8
    class Program
        static void Main(string[] args)
            Console.WriteLine("LAB TASK 8:");
            Console.WriteLine("Question no. 1:");
            Console.WriteLine("Enter the Threshold value");
            double Threshold = double.Parse(Console.ReadLine());
            Algorithm ALGORITHM = new Algorithm(Threshold);
            ALGORITHM.Printer();
            UI Ui = new UI(Threshold);
            Ui.Printer2();
            Console.ReadKey();
        }
   }
```

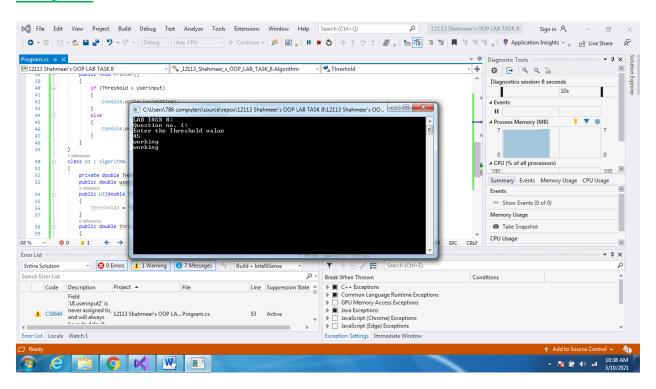
```
class Algorithm
        private double Threshold = 60;
        protected double Userinput;
        public string Working = "working";
        public string Not_Working = "not working";
        public Algorithm(double threshold1)
            Userinput = threshold1;
        }
        public double threshold()
            return Userinput;
        public void Printer()
            if (Threshold > Userinput)
            {
                Console.WriteLine(Working);
            }
            else
            {
                Console.WriteLine(Not_Working);
        }
    }
    class UI : Algorithm
        private double THRESHOLD = 20;
        public double userinput2;
        public UI(double threshold2) : base(threshold2)
            threshold2 = THRESHOLD;
        public double thressold()
            return THRESHOLD;
        public void Printer2()
            Algorithm algorithm = new Algorithm(Userinput);
            algorithm.Printer();
    }
}
```

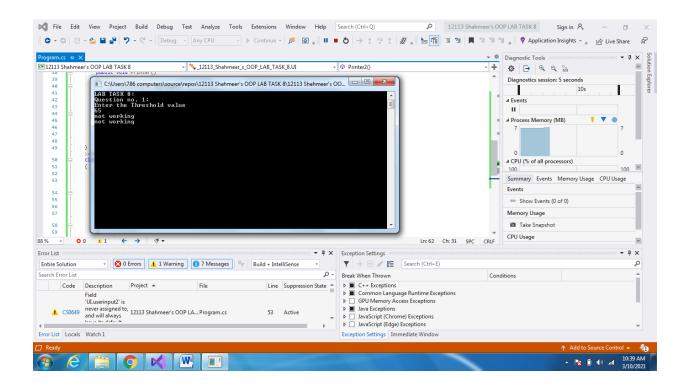


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                 return THRESHOLD;
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algorithm.Printer();
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Output:





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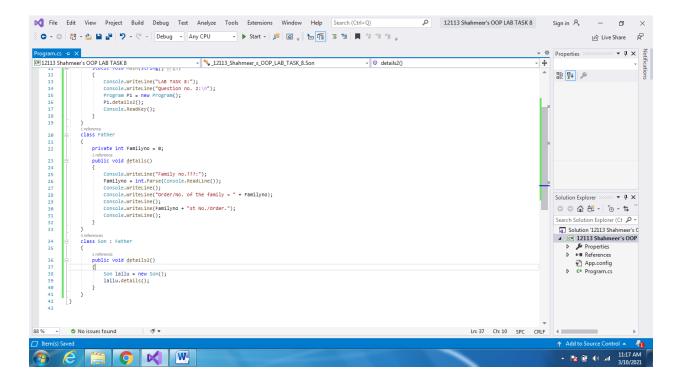
Question no. 2:

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

namespace _12113_Shahmeer_s_OOP_LAB_TASK_8
{
    class Program:Son
    {
        static void Main(string[] args)
        {
            Console.WriteLine("LAB TASK 8:");
            Console.WriteLine("Question no. 2:\n");
}
```

```
Program P1 = new Program();
                      P1.details2();
                      Console.ReadKey();
       }
       class Father
              private int Familyno = 0;
              public void details()
                      Console.WriteLine("Family no.???:");
                      Familyno = int.Parse(Console.ReadLine());
                      Console.WriteLine();
                      Console.WriteLine("Order/No. of the family = " + Familyno);
                      Console.WriteLine();
                      Console.WriteLine(Familyno + "st No./Order.");
                      Console.WriteLine();
               }
       }
       class Son : Father
       {
              public void details2()
               {
                      Son lallu = new Son();
                      lallu.details();
       }
}
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Output:

