OOP LAB TASK 8

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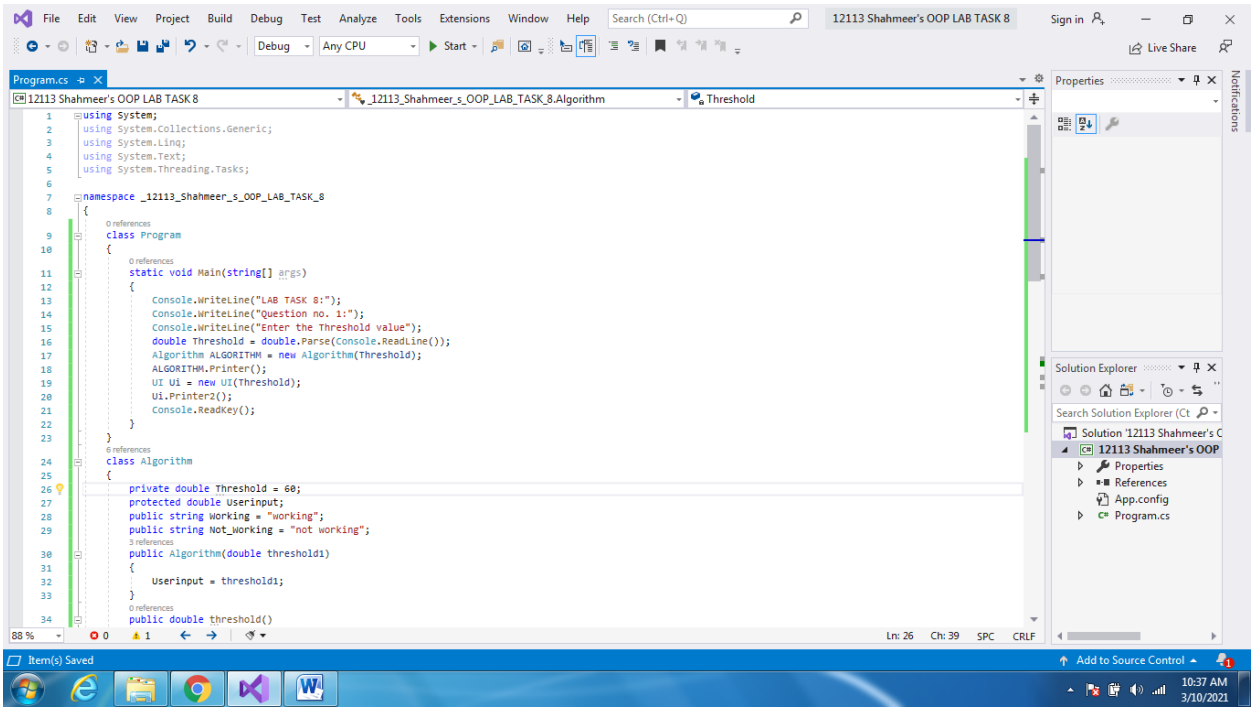
INPUTTED CODE:

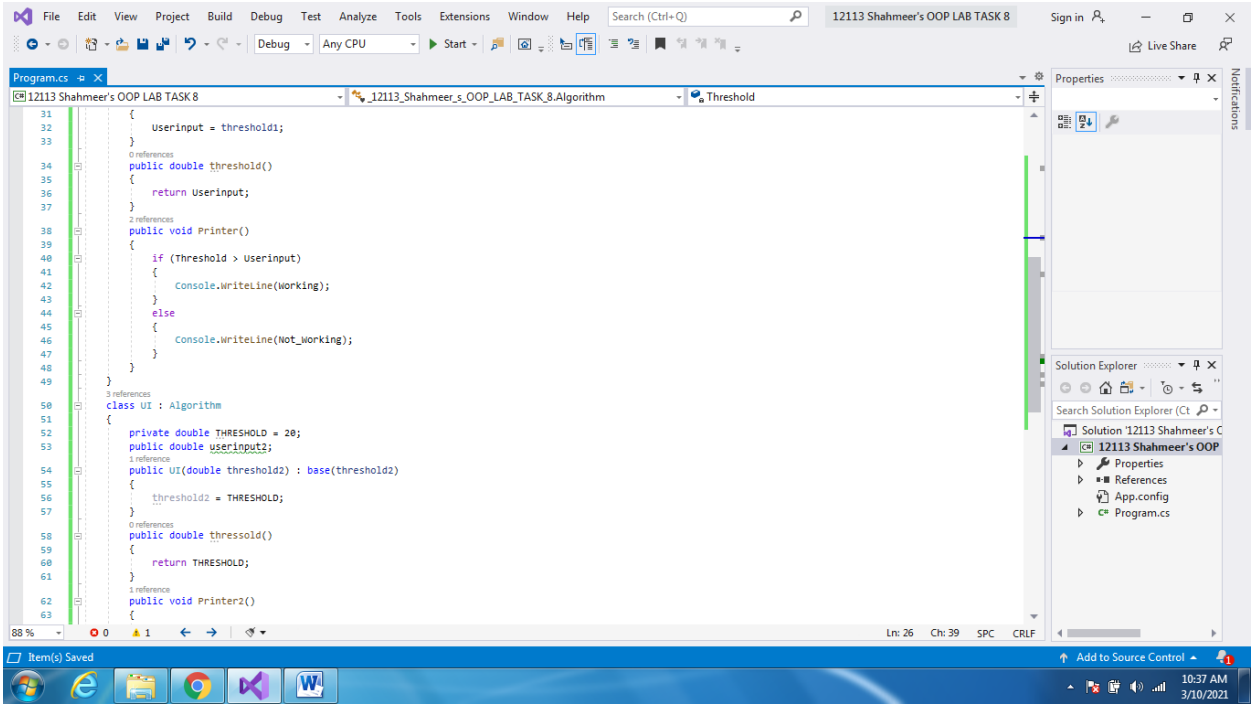
Question no. 1:

```
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();
        }
    }
```

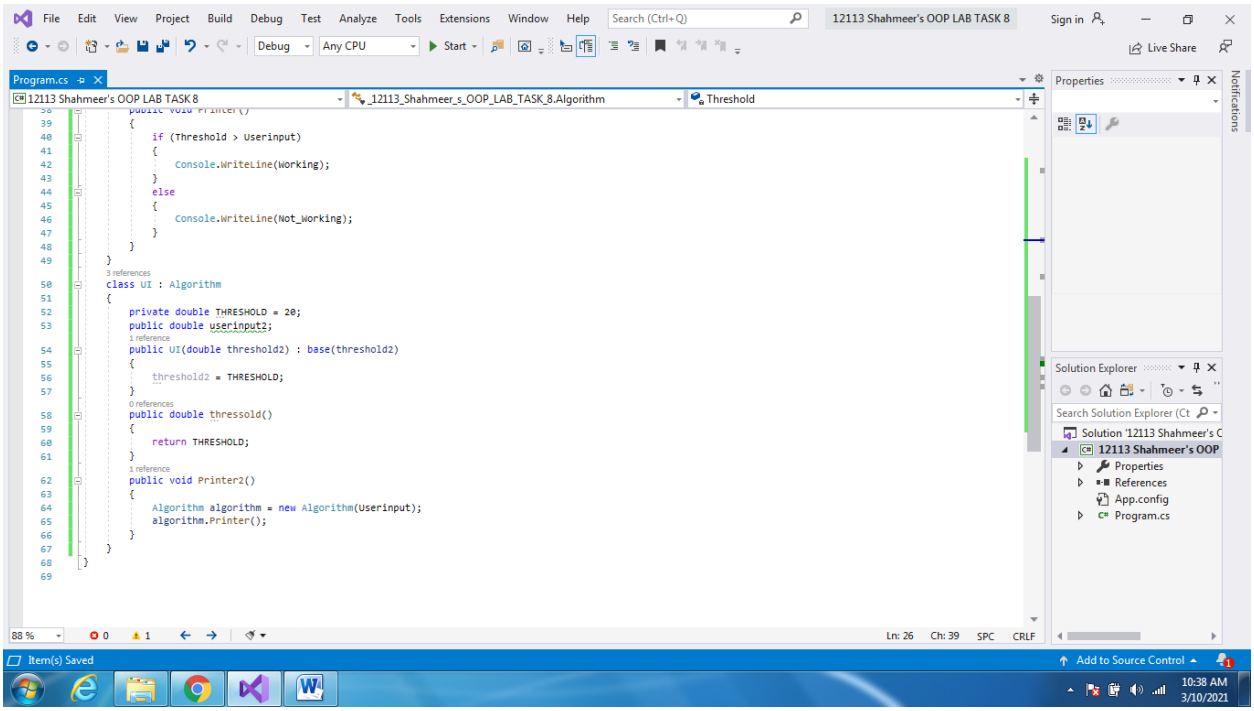
```
    class Algorithm
    {
        private double Threshold = 60;
        protected double Userinput;
        public string Working = "working";
        public string Not_Working = "not working";
        public Algorithm(double threshold1)
        {
            Userinput = threshold1;
        }
        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();
        }
    }
}
```



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

namespace _12113_Shahmeer_s_OOP_LAB_TASK_8
{
    0 references
    class Program
    {
        0 references
        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();
        }
    }
    6 references
    class Algorithm
    {
        private double Threshold = 60;
        protected double Userinput;
        public string Working = "working";
        public string Not_Working = "not working";
        5 references
        public Algorithm(double threshold1)
        {
            Userinput = threshold1;
        }
        0 references
        public double threshold()
```

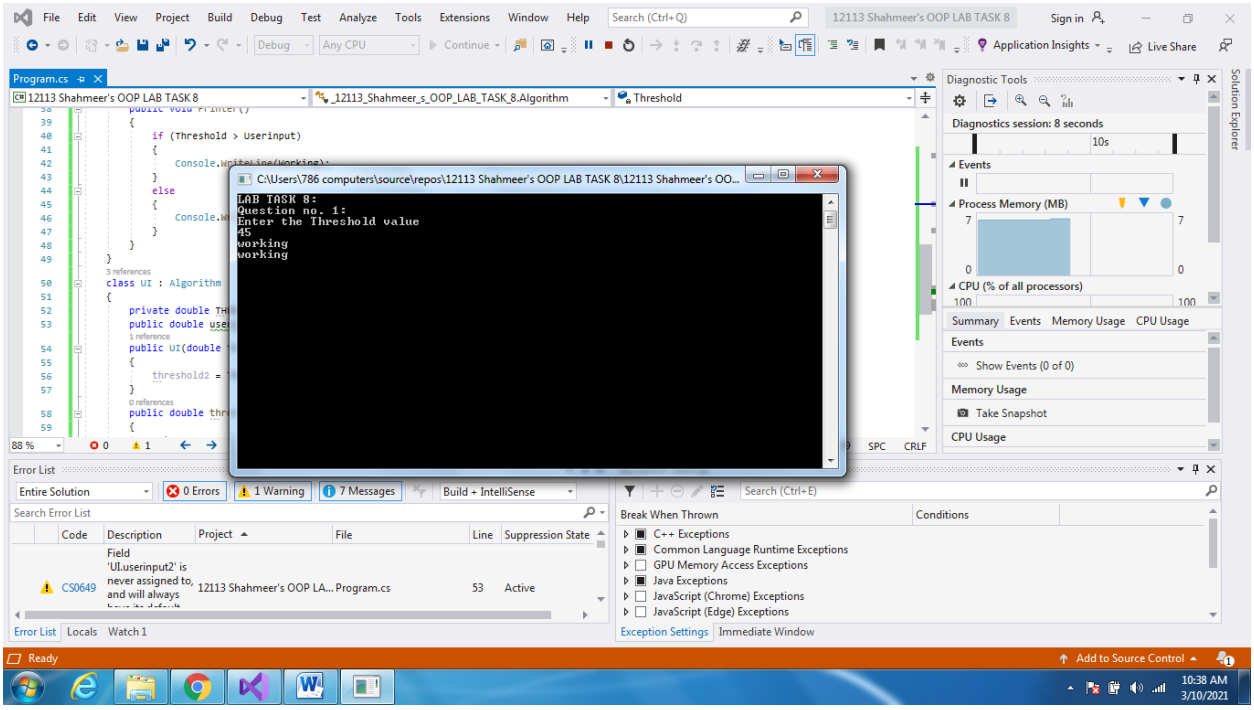


```
        {
            Userinput = threshold1;
        }
        0 references
        public double threshold()
        {
            return Userinput;
        }
        2 references
        public void Printer()
        {
            if (Threshold > Userinput)
            {
                Console.WriteLine(Working);
            }
            else
            {
                Console.WriteLine(Not_Working);
            }
        }
    }
    3 references
    class UI : Algorithm
    {
        private double THRESHOLD = 20;
        public double userinput2;
        1 reference
        public UI(double threshold2) : base(threshold2)
        {
            threshold2 = THRESHOLD;
        }
        0 references
        public double thressold()
        {
            return THRESHOLD;
        }
        1 reference
        public void Printer2()
        {
```

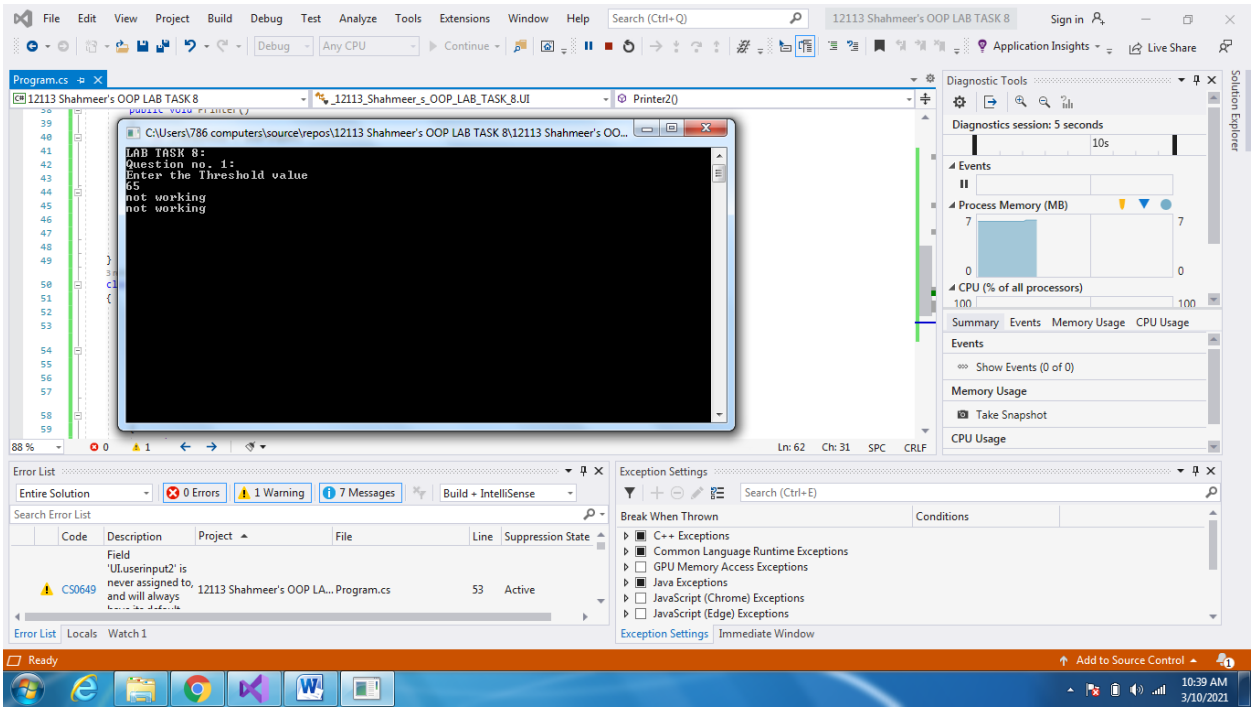


```
        {
            if (Threshold > Userinput)
            {
                Console.WriteLine(Working);
            }
            else
            {
                Console.WriteLine(Not_Working);
            }
        }
    }
    3 references
    class UI : Algorithm
    {
        private double THRESHOLD = 20;
        public double userinput2;
        1 reference
        public UI(double threshold2) : base(threshold2)
        {
            threshold2 = THRESHOLD;
        }
        0 references
        public double thressold()
        {
            return THRESHOLD;
        }
        1 reference
        public void Printer2()
        {
            Algorithm algorithm = new Algorithm(Userinput);
            algorithm.Printer();
        }
    }
}
```

Output:



```
LAB TASK 8:
Question no. 1:
Enter the Threshold value
45
working
working
```

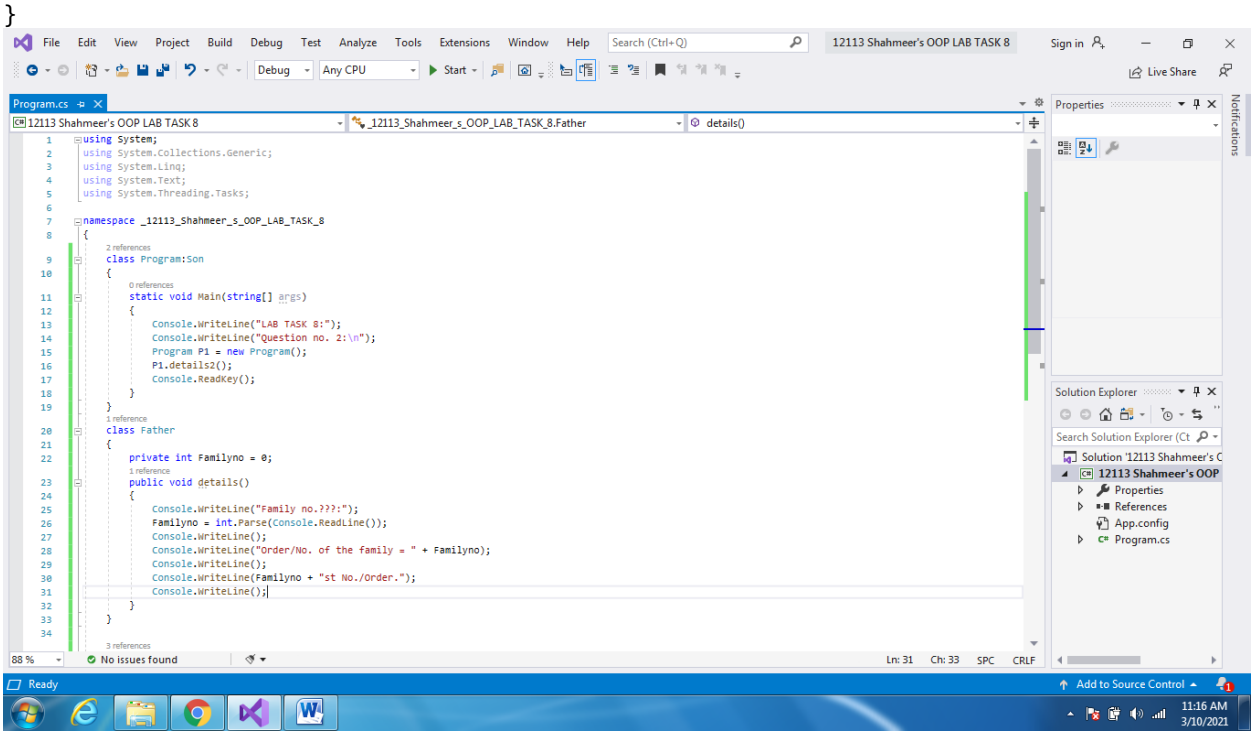


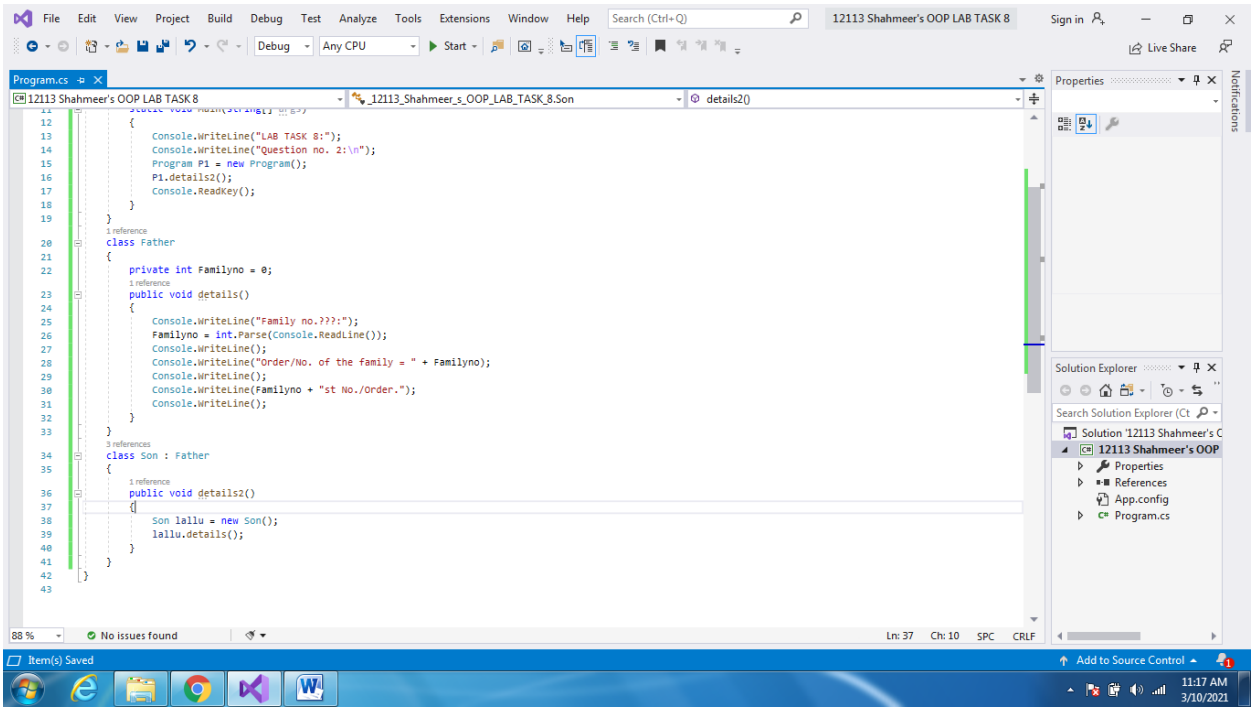
INPUTTED CODE:

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");
```

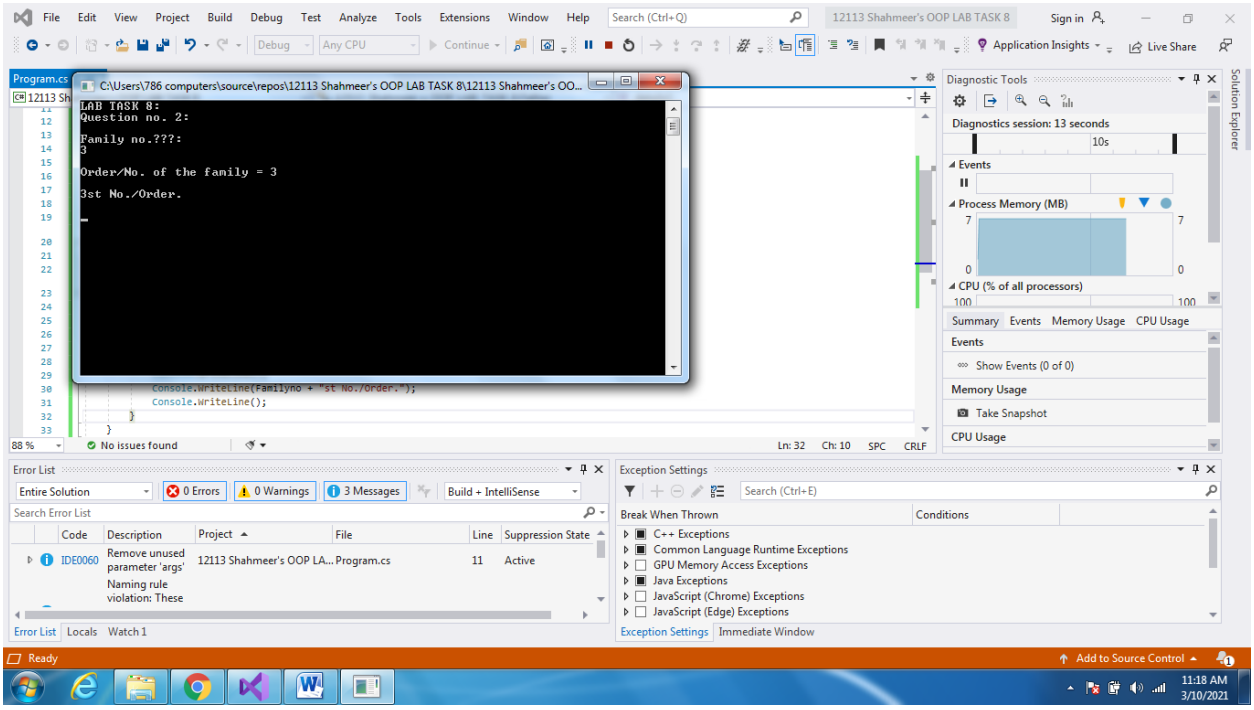
```
            Program P1 = new Program();
            P1.details2();
            Console.ReadKey();
        }
    }
    class Father
    {
        private int Familyno = 0;
        public void details()
        {
            Console.WriteLine("Family no.???:");
            Familyno = int.Parse(Console.ReadLine());
            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();
        }
    }
}
```





```
{
    Console.WriteLine("LAB TASK 8:");
    Console.WriteLine("Question no. 2:\n");
    Program P1 = new Program();
    P1.details2();
    Console.ReadKey();
}
}
1 reference
class Father
{
    private int Familyno = 0;
    1 reference
    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();
    }
}
3 references
class Son : Father
{
    1 reference
    public void details2()
    {
        Son lallu = new Son();
        lallu.details();
    }
}
```

Output:



```
LAB TASK 8:
Question no. 2:

Family no.???:
3

Order/No. of the family = 3

3st No./Order.
```