

OOP LAB TASK # 05.

Name: Shahmeer khan.

Student ID: 12113.

Class ID: 106278.

Question.1:

Inputted Code:

*Program.cs:

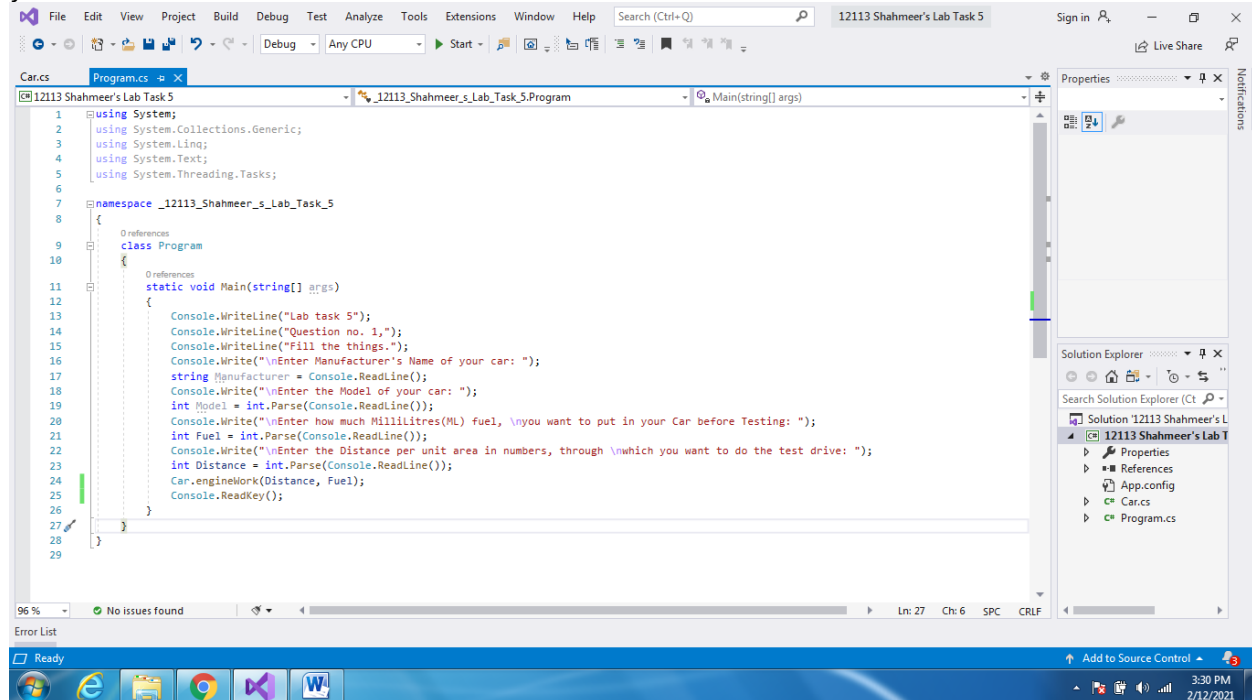
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_Lab_Task_5
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Lab task 5");
            Console.WriteLine("Question no. 1,");
            Console.WriteLine("Fill the things.");
            Console.WriteLine("\nEnter Manufacturer's Name of your car: ");
            string Manufacturer = Console.ReadLine();
            Console.WriteLine("\nEnter the Model of your car: ");
            int Model = int.Parse(Console.ReadLine());
            Console.WriteLine("\nEnter how much Millilitres(ML) fuel, \nyou want to put in your Car before Testing: ");
            int Fuel = int.Parse(Console.ReadLine());
            Console.WriteLine("\nEnter the Distance per unit area in numbers, through \nwhich you want to do the test drive: ");
        }
    }
}
```

```

        int Distance = int.Parse(Console.ReadLine());
        Car.engineWork(Distance, Fuel);
        Console.ReadKey();
    }
}

```



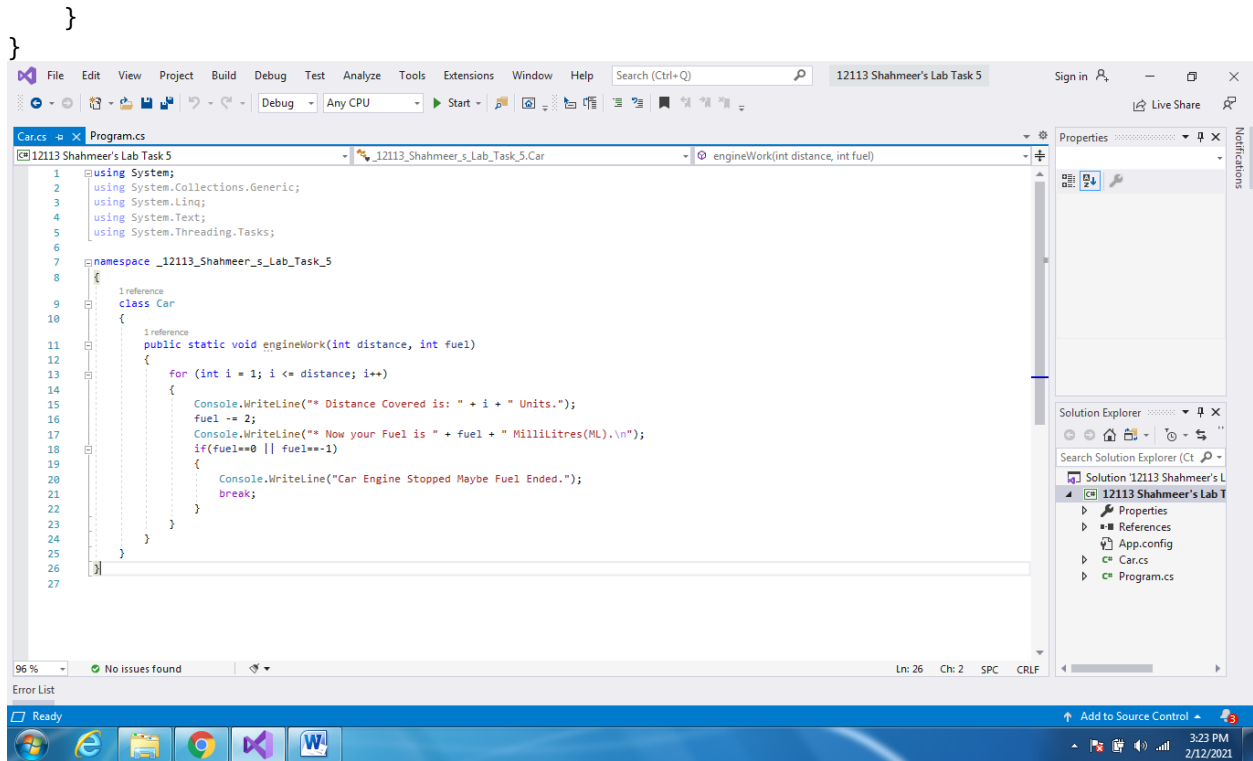
*Car.cs:

```

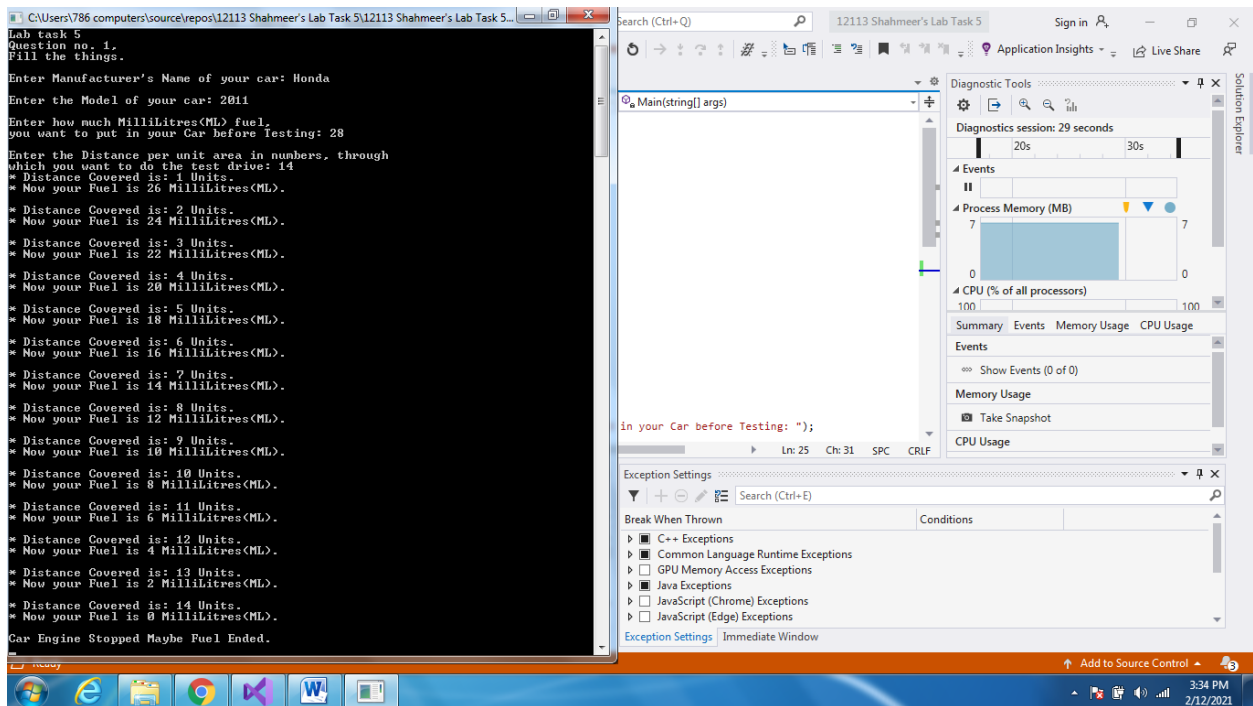
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_Lab_Task_5
{
    class Car
    {
        public static void engineWork(int distance, int fuel)
        {
            for (int i = 1; i <= distance; i++)
            {
                Console.WriteLine("* Distance Covered is: " + i + " Units.");
                fuel -= 2;
                Console.WriteLine("* Now your Fuel is " + fuel + " MilliLitres(ML).\n");
                if(fuel==0 || fuel== -1)
                {
                    Console.WriteLine("Car Engine Stopped Maybe Fuel Ended.");
                    break;
                }
            }
        }
    }
}

```



Output:



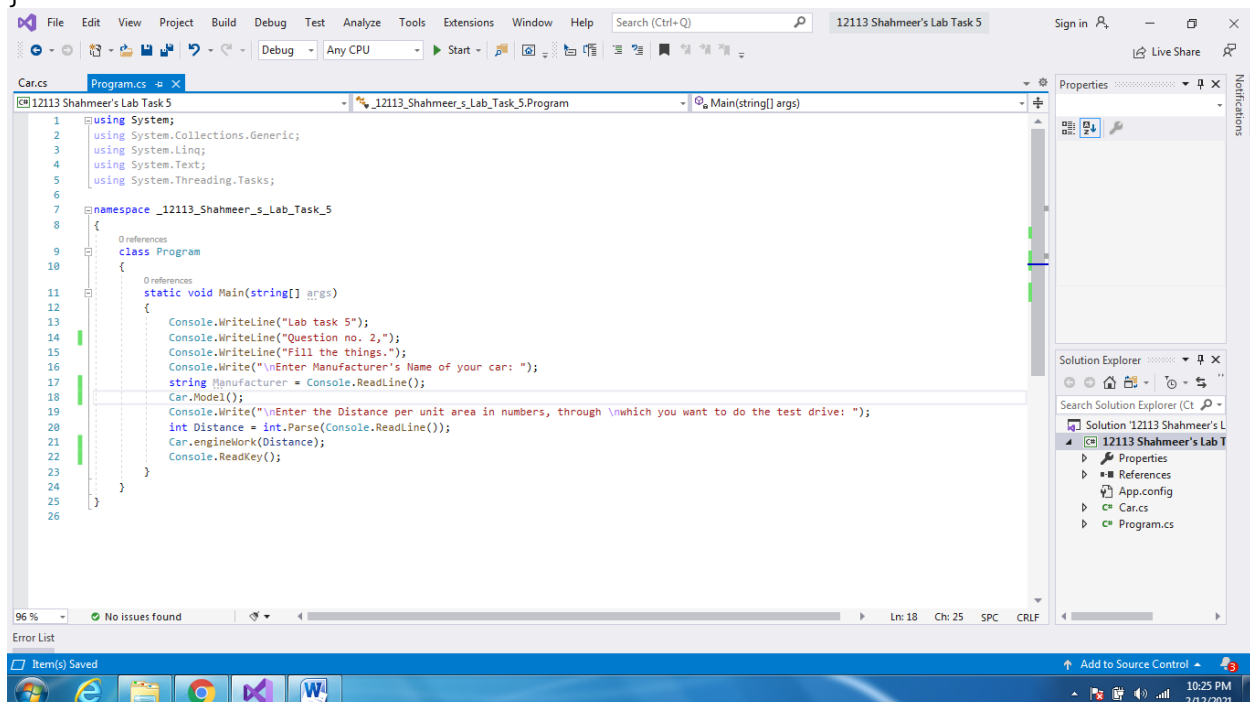
Question.2;

Inputted Code:

*Program.cs:

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

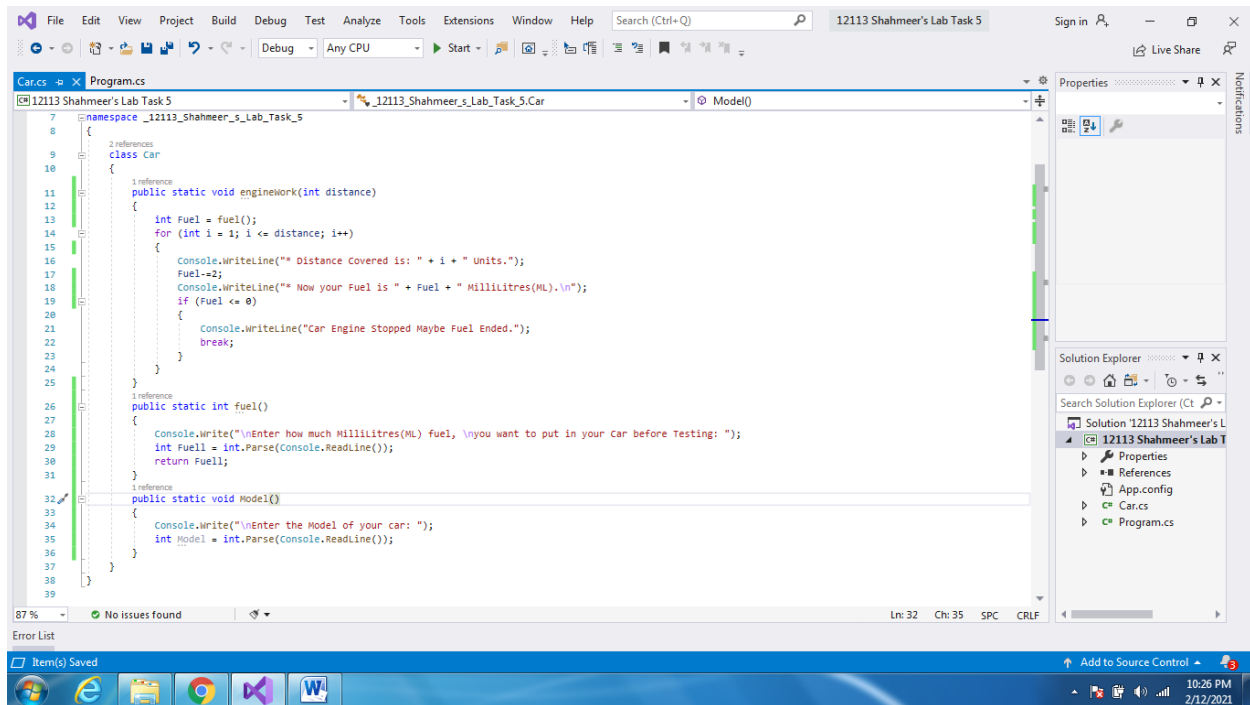
namespace _12113_Shahmeer_s_Lab_Task_5
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Lab task 5");
            Console.WriteLine("Question no. 2,");
            Console.WriteLine("Fill the things.");
            Console.WriteLine("\nEnter Manufacturer's Name of your car: ");
            string Manufacturer = Console.ReadLine();
            Car.Model();
            Console.WriteLine("\nEnter the Distance per unit area in numbers, through \nwhich you want to do the test drive: ");
            int Distance = int.Parse(Console.ReadLine());
            Car.engineWork(Distance);
            Console.ReadKey();
        }
    }
}
```



*Car.cs:

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

namespace _12113_Shahmeer_s_Lab_Task_5
{
    class Car
    {
        public static void engineWork(int distance)
        {
            int Fuel = fuel();
            for (int i = 1; i <= distance; i++)
            {
                Console.WriteLine("* Distance Covered is: " + i + " Units.");
                Fuel-=2;
                Console.WriteLine("* Now your Fuel is " + Fuel + " MilliLitres(ML).\n");
                if (Fuel <= 0)
                {
                    Console.WriteLine("Car Engine Stopped Maybe Fuel Ended.");
                    break;
                }
            }
        }
        public static int fuel()
        {
            Console.Write("\nEnter how much MilliLitres(ML) fuel, \nyou want to put in your Car before Testing: ");
            int Fuell = int.Parse(Console.ReadLine());
            return Fuell;
        }
        public static void Model()
        {
            Console.Write("\nEnter the Model of your car: ");
            int Model = int.Parse(Console.ReadLine());
        }
    }
}
```



Output:

