

OOP LAB TASK # 13

Name: Shahmeer khan.

Class ID: 106278.

Student ID: 12113.

TASK:

Question no. 1:

Inputted Code:

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

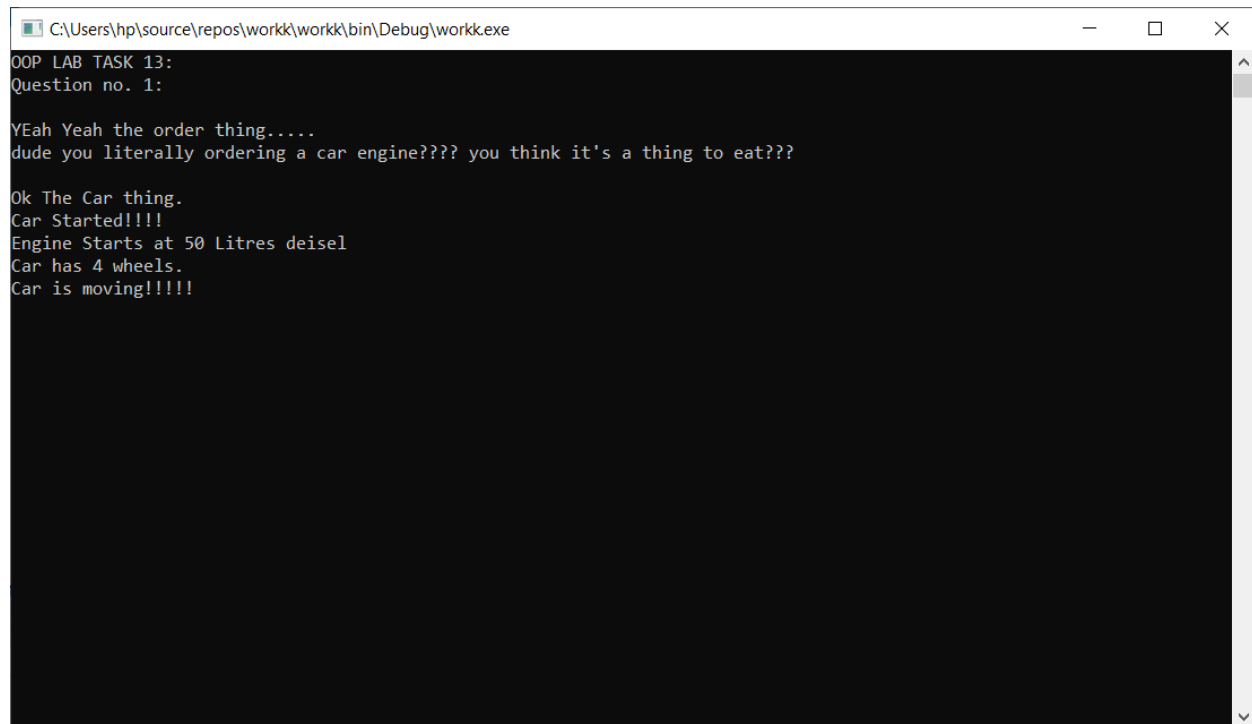
namespace workk
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("OOP LAB TASK 13:");
            Console.WriteLine("Question no. 1:");
            Engine m_Engine = new Engine();
            Wheel m_Wheel = new Wheel();
            Order order = new Order(m_Engine);
            order.order();
            Car car = new Car(m_Engine, m_Wheel);
            car.Driver(50, 4);
            Console.ReadKey();
        }
    }
    class Order
    {
```

```

        private Engine m_Engine;
        public Order(Engine eng)
        {
            m_Engine = eng;
        }
        public void order()
        {
            Console.WriteLine("\nYEAh Yeah the order thing.....");
            Console.WriteLine("dude you literally ordering a car engine???? you think
it's a thing to eat???");
        }
    }
    class Car
    {
        private Engine m_Engine;
        private Wheel m_Wheel;
        public Car(Engine eng, Wheel wh)
        {
            m_Engine = eng;
            m_Wheel = wh;
        }
        public void Driver(int a, int b)
        {
            Console.WriteLine("\nOk The Car thing.\nCar Started!!!!");
            m_Engine.Starts(a);
            m_Wheel.Wheels(b);
            Console.WriteLine("Car is moving!!!!");
        }
    }
    class Engine
    {
        public void Starts(int diesel)
        {
            Console.WriteLine("Engine Starts at " + diesel + " Litres deisel");
        }
    }
    class Wheel
    {
        public void Wheels(int wheels)
        {
            Console.WriteLine("Car has " + wheels + " wheels.");
        }
    }
}

```

Output:



```
C:\Users\hp\source\repos\workk\workk\bin\Debug\workk.exe
OOP LAB TASK 13:
Question no. 1:

YEah Yeah the order thing.....
dude you literally ordering a car engine???? you think it's a thing to eat???

Ok The Car thing.
Car Started!!!!
Engine Starts at 50 Litres deisel
Car has 4 wheels.
Car is moving!!!!
```

Question no. 2:

Inputted Code:

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

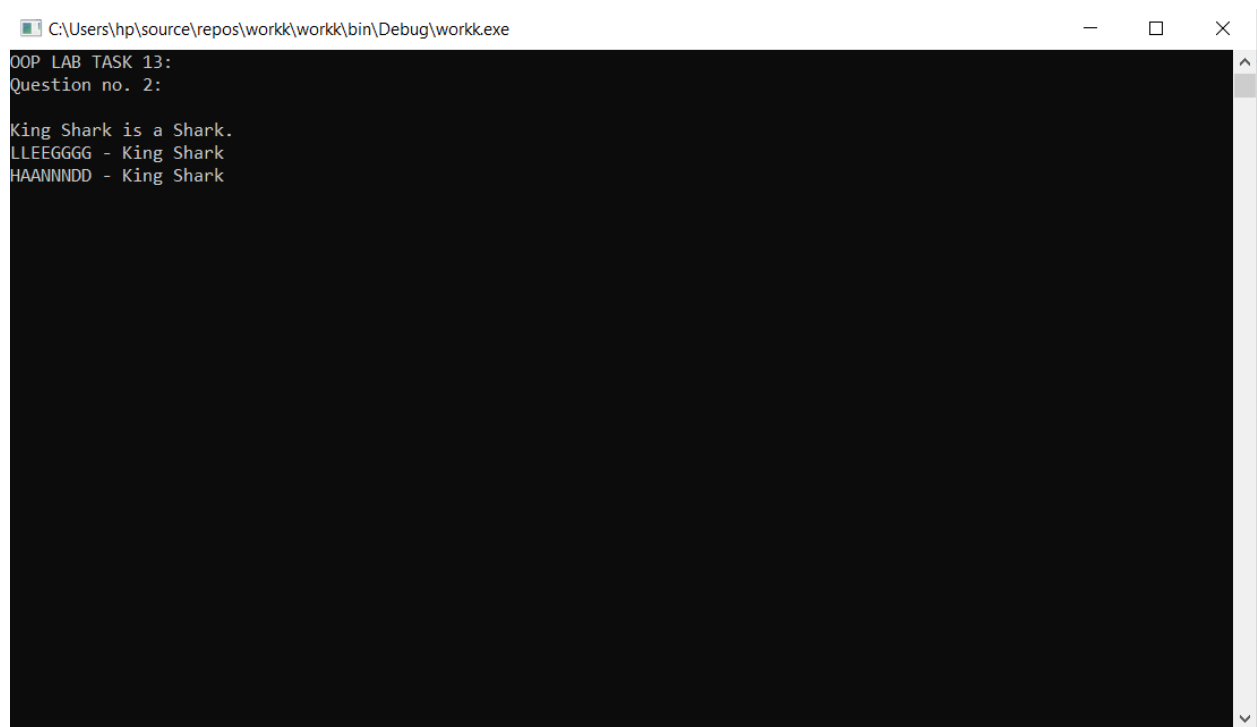
namespace workk
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("OOP LAB TASK 13:");
            Console.WriteLine("Question no. 2:");
            Person King_Shark = new Person();
            Console.ReadKey();
        }
    }
    public class Person
    {
        private Hand m_Hand = new Hand();
        private Leg m_Leg = new Leg();
        public Person()
        {
```

```

        Console.WriteLine("\nKing Shark is a Shark.");
        m_Leg.leg();
        m_Hand.hand();
    }
}
public class Leg
{
    public void leg()
    {
        Console.WriteLine("LLEEGGGG - King Shark");
    }
}
public class Hand
{
    public void hand()
    {
        Console.WriteLine("HAANNDD - King Shark");
    }
}
}

```

Output:



```

C:\Users\hp\source\repos\workk\workk\bin\Debug\workk.exe
OOP LAB TASK 13:
Question no. 2:
King Shark is a Shark.
LLEEGGGG - King Shark
HAANNDD - King Shark

```

Question no. 3:

Inputted Code:

```

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

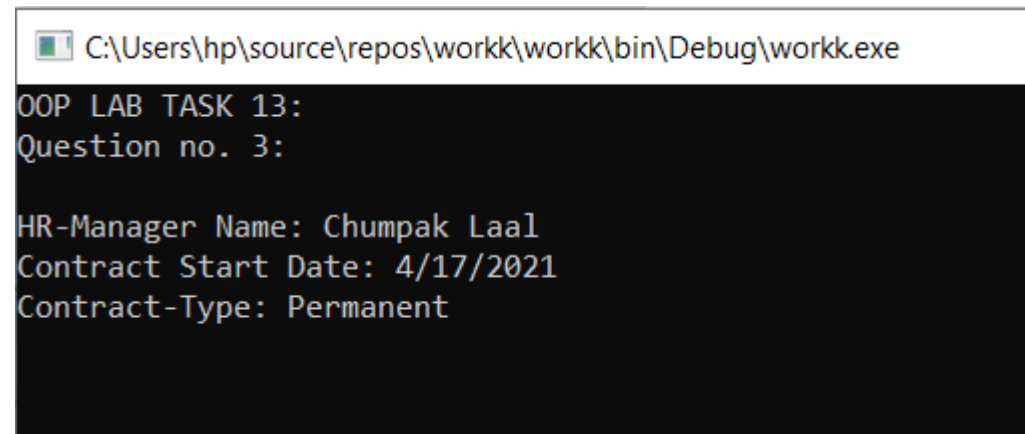
```

```

namespace workk
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("OOP LAB TASK 13:");
            Console.WriteLine("Question no. 3:");
            HRManager HR = new HRManager("Chumpak Laal");
            Contract ct = new Contract("4/17/2021", "Permanent");
            HR.Contract_Details(ct);
            Console.ReadKey();
        }
    }
    class Contract
    {
        public string startDate;
        public string contractType;
        public Contract(string sd, string ct)
        {
            this.startDate = sd;
            this.contractType = ct;
        }
    }
    class HRManager
    {
        private string Name;
        public HRManager(string HRMname)
        {
            this.Name = HRMname;
        }
        public void Contract_Details(Contract CT)
        {
            Console.WriteLine("\nHR-Manager Name: " + Name + "\nContract Start Date: " +
CT.startDate + "\nContract-Type: " + CT.contractType);
        }
    }
}

```

Output:



C:\Users\hp\source\repos\workk\workk\bin\Debug\workk.exe

```

OOP LAB TASK 13:
Question no. 3:

HR-Manager Name: Chumpak Laal
Contract Start Date: 4/17/2021
Contract-Type: Permanent

```