Assignment No- 2

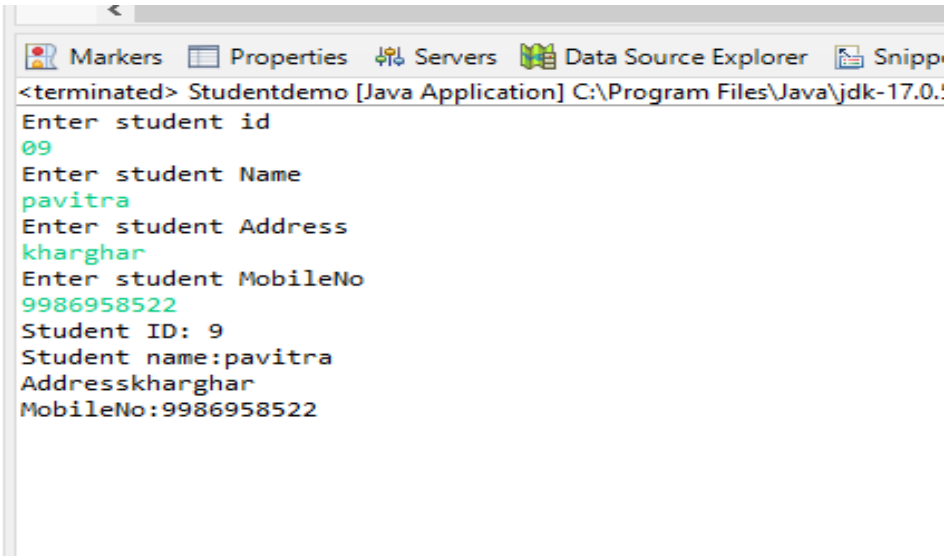
Object Oriented Programing using Java

1.Build a class Student which contains details about the Student and compile and run its instance.

Code:

```
package Assignment3;

import java.util.Scanner;

class Student{
        int stdID;
        String StdName;
        String Address;
        long Mobileno;

        void display()
        {
                System.out.println("Student ID: " +this.stdID +"\n"+"Student
name:"+this.StdName+"\n"+"Address" +this.Address +"\n"
+"MobileNo:"+this.Mobileno );
        }

        void accept() {
                Scanner sc = new Scanner(System.in);
       System.out.println("Enter student id");
        this.stdID = sc.nextInt();
```

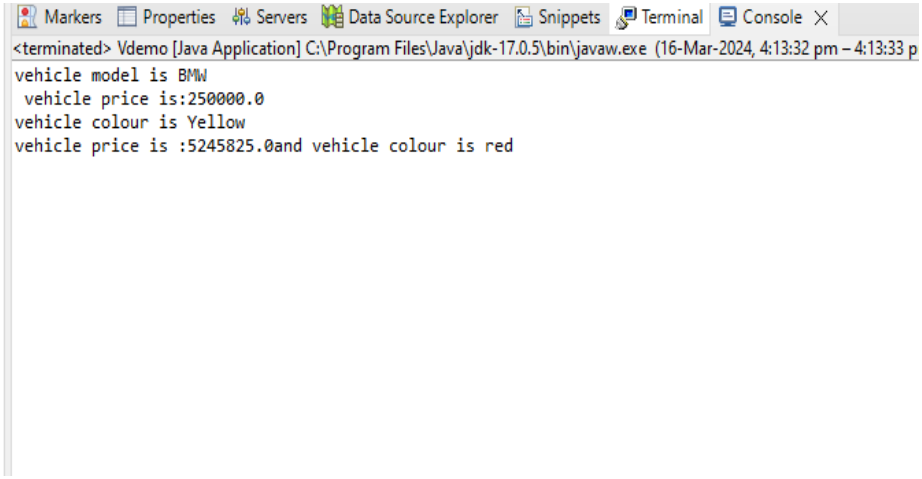
```
        System.out.println("Enter student Name");
        this.StdName  = sc.next();
        System.out.println("Enter student Address");
        this.Address = sc.next();
        System.out.println("Enter student MobileNo");
        this.Mobileno = sc.nextLong();
          }


}
public class Studentdemo {

        public static void main(String[] args) {
                // TODO Auto-generated method stub


        Student std = new Student();


        std.accept();
        std.display();



        }

}
```


Markers
Properties
Servers
Data Source Explorer
<terminated> Studentdemo [Java Application] C:\Program Files\Java\jdk-17.0.
Enter student id
09
Enter student Name
pavitra
Enter student Address
kharghar
Enter student MobileNo
9986958522
Student ID: 9
Student name:pavitra
Addresskharghar
MobileNo:9986958522

2)Write a Vehicle class with overloaded methods that have a different number of parameters.Demonstrate calling these overloaded methods with various numbers of arguments.

```
package Assignment3;
class Vehicle{
	void model() {
		System.out.println("vehicle model is BMW");
	}
	void model(String colour) {
		System.out.println("vehicle colour is"+colour);
	}
	void model(float price) {
		System.out.println(" vehicle price is:"+price);
	}
	void model(float price1,String Colour1) {
		System.out.println("vehicle price is :"+price1 +"and vehicle colour is " +Colour1);
	}
}
public class Vdemo {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Vehicle v = new Vehicle();
		v.model();
		v.model(250000.00f);
		v.model("Yellow");
```

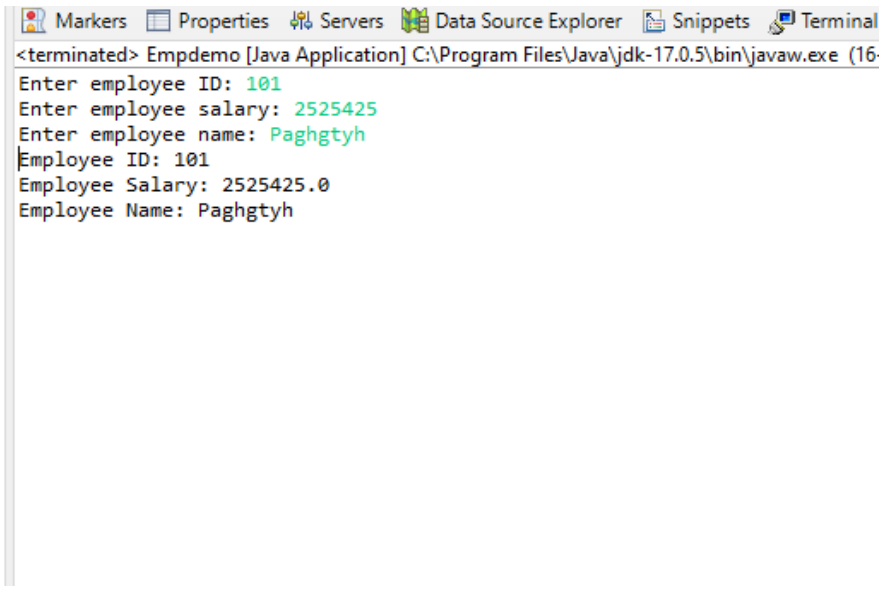
```
        v.model(5245825f,"red");



    }

}
```



3)Create a class Employee with multiple overloaded methods that have different parameter types (e.g.,int, double, String). Demonstrate calling each overloaded method with appropriate arguments

```
package Assignment3;


import java.util.Scanner;


class Employee{
        public void displayInfo(int id) {
      System.out.println("Employee ID: " + id);
   }



   public void displayInfo(double salary) {
      System.out.println("Employee Salary: " + salary);
   }



   public void displayInfo(String name) {
      System.out.println("Employee Name: " + name);
   }


}
public class Empdemo {


        public static void main(String[] args) {
                // TODO Auto-generated method stub
                Scanner scanner = new Scanner(System.in);
```

```
        Employee emp = new Employee();

        // Getting input from user
        System.out.print("Enter employee ID: ");
        int id = scanner.nextInt();
        scanner.nextLine();

        System.out.print("Enter employee salary: ");
        double salary = scanner.nextDouble();
        scanner.nextLine();

        System.out.print("Enter employee name: ");
        String name = scanner.nextLine();

        emp.displayInfo(id);
        emp.displayInfo(salary);
        emp.displayInfo(name);
          }

}
```


Markers
Properties
Servers
Data Source Explorer
Snippets
Terminal
<terminated> Empdemo [Java Application] C:\Program Files\Java\jdk-17.0.5\bin\javaw.exe (16
Enter employee ID: 101
Enter employee salary: 2525425
Enter employee name: Paghgtyh
Employee ID: 101
Employee Salary: 2525425.0
Employee Name: Paghgtyh