Name :

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Assignment No- 4

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

```java
package assign4;
import java.util.Scanner;
class Student {
    private String name;
    private int rollno;
    private int std;

public void details() {
    Scanner sc=new Scanner (System.in);
    System.out.println("name :  ");
    this.name=sc.nextLine();
    System.out.println("rollno :  ");
    this.rollno=sc.nextInt();
    System.out.println("std :  ");
    this.std=sc.nextInt();
    System.out.println(this.name + "  " + this.rollno + "  " + this.std);
}
}

public class Program{
    public static void main(String[] args) {

Student su =new Student();
su.details();
    }

}
```

Problems @ Javadoc Declaration Console ×

<terminated> Program [Java Application] C:\Users\VAISHNA
```
name :
Mmata
rollno :
3
std :
1
Mmata  3  1
```

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.

```java
package com.assign4_2;

public class Vehicle {

    private static void details(String vehiclename,String vehiclecolor) {
        System.out.println("Deatils are "+vehiclename +" "+vehiclecolor);


    }
private static void details(int version,String type) {
    System.out.println("Deatils of version and type  are "+version +" "+type);
    }

private static void details(int carnumber) {
    System.out.println("car no is "+carnumber);
}
    public static void main(String[] args) {

Vehicle.details("HondaCity","White");


Vehicle.details(5,"Automatic");

Vehicle.details(27667);


    }}
```

<terminated> Vehicle [Java Application] C:\Users\VAISHNAV\Downloads\
```
Deatils are HondaCity White
Deatils of version and type  are 5 Automatic
car no is 27667
```

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.

```java
1  package com.example.assign4_3;
2  import java.util.Scanner;
3  public class Employee {
4
5  public static void displayrecord(String empname,int empid) {
6  System.out.println(empname+ " "+empid);
7  }
8  public static void displayrecord(float salary,int age) {
9  System.out.println(salary+ " "+age);
10 }
11 public static void displayrecord(String department) {
12 System.out.println(department);
13 }
14     public static void main(String[] args) {
15         // TODO Auto-generated method stub
16 Employee.displayrecord("mamta",90);
17 Employee.displayrecord(70000,23);
18 Employee.displayrecord("Development");
19     }
20
21
22 }
23
```

<terminated> Employee [Java Application] C:\U
mamta 90
70000.0 23
Development