

Assignment 4

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

```
2) package com.exm3;
3)
4) import java.util.Scanner;
5)
6)
7) class Student1{
8)     private String name;
9)     private int id;
10)    private String division;
11)
12)    public void acceptRecord() {
13)        Scanner sc = new Scanner(System.in);
14)        System.out.print("Name : ");
15)        this.name = sc.nextLine();
16)        System.out.print("id : ");
17)        this.id = sc.nextInt();
18)        System.out.print("division : ");
19)        this.division = sc.nextLine();
20)        sc.close();
21)    }
22)    public void printRecord() {
23)        System.out.println( this.name+" "+this.id+" "+this.division);
24)    }
25)    public class Okay{
26)        public void main(String[] args) {
27)            Student1 std1 = new Student1();
28)            std1.acceptRecord( );
29)            std1.printRecord( );
30)
31)            Student1 std2 = new Student1();
32)            std2.acceptRecord( );
33)            std2.printRecord( );
34)
35)            Student1 std3 = new Student1();
36)            std3.acceptRecord( );
37)            std3.printRecord( );
38)        }
39)    }
40) }
```

Name:pan

Id:252

Division:C

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 com.exm.in;
public class Vehiclee {
    public static void Door( int d1, int d2 ) {
        int result = d1 + d2;
        System.out.println("Result      :      "+result);
    }
    public static int Engine( int e1, int e2 ) {
        int result = e1 + e2;
        System.out.println("Result      :      "+result);
        return result;
    }
    public static void main(String[] args) {
        Vehiclee.Door(2, 2);

        Vehiclee.Engine(1, 0);
    }
}
```

Result 4

Result 1

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 com.emp.q3;

import java.util.Scanner;

class Employee{
    private String name;
    private int empid;
    private float salary;

    public void acceptRecord( ) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Name      :      ");
        this.name = sc.nextLine();
        System.out.print("Empid    :      ");
        this.empid = sc.nextInt();
        System.out.print("Salary  :      ");
        this.salary = sc.nextFloat();
        sc.close();
    }

    public void printRecord() {
        System.out.println( this.name+"      "+this.empid+"
"+this.salary);
    }
}

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

```
Employee emp1 = new Employee();  
emp1.acceptRecord( );  
emp1.printRecord( );  
  
Employee emp2 = new Employee();  
emp2.acceptRecord( );  
emp2.printRecord( );  
  
Employee emp3 = new Employee();  
emp3.acceptRecord( );  
emp3.printRecord( );  
    }  
}
```

Name: man
Id: 25211
salary: 12500