Assignment-7

1.Write a program to create a two packages employeepackage and departmentpackage and under employeepackage create classes like Employee, Manager, Admin

Under departmentpackage create class by name Department and Project.

EmployeePackage

```java
package employeePackage;

public class Employee {
    public int empid;
    public String empname;
    public float empSalary;

    public Employee(int empid, String empname, float empSalary) {
        this.empid = empid;
        this.empname = empname;
        this.empSalary = empSalary;
    }

    public void given() {
        System.out.println("id-" + empid);
        System.out.println("name-" + empname);
        System.out.println("Salary-" + empSalary);

    }

}


package employeePackage;

public class Manager {
    public int manid;
    private String manname;
    public float manSalary;

    public Manager(int manid, String manname, float manSalary) {
        this.manid = manid;
        this.manname = manname;
        this.manSalary = manSalary;
```

```
        }

    public void list() {
        System.out.println("id-" + manid);
        System.out.println("name-" + manname);
        System.out.println("Salary-" + manSalary);

    }
}
```

DepartmentPackage

```java
package departmentPackage;

public class Department {
    int depId;
    String depName;

    public Department(int depId, String depName) {
        this.depId = depId;
        this.depName = depName;

    }

    public void points() {
        System.out.println("Id-" + depId);
        System.out.println("Dept-" + depName);
    }

}

package departmentPackage;

public class Project {
    int ProId;
    String ProTitle;
    float Score;

    public Project(int ProId, String ProTitle, float
Score) {
        this.ProId = ProId;
        this.ProTitle = ProTitle;
        this.Score = Score;
    }
```

Assignment-7

```java
    public void Rank() {
        System.out.println("Id-" + ProId);
        System.out.println("Tile-" + ProTitle);
        System.out.println("Score-" + Score);
    }

}
```

Create a Main class to test the above classes.

Main class

```java
package employeePackage;

import departmentPackage.Department;
import departmentPackage.Project;

public class Admin {
    public static void main(String[] args) {
        System.out.println("Employee
Details_____");
        Employee em = new Employee(03, "Balaji",
20000);
        em.given();
        System.out.println("Manager
Details_____");
        Manager m = new Manager(01, "Amala", 30000);
        m.list();

    System.out.println("Project_____
_____");
        Department dd = new Department(104, "CSE");
        dd.points();
        Project k = new Project(34, "Encryption",
70);
        k.Rank();
        Project y = new Project(36, "Database", 90);
        y.Rank();

        System.out.println("Project
Winner_____");
        Project j = new Project(36, "Database", 90);
        j.Rank();
```

```
        }

}
```

Write a program to check how many Shape objects created.

```java
package com.Asssignment;

public class Shape {
    static int count = 0;

    public Shape() {
        count++;
    }

    public static void main(String[] args) {
        Shape square = new Shape();
        Shape recangle = new Shape();
        Shape circle = new Shape();
        Shape triangle = new Shape();
        System.out.println("No of Objects: " +
Shape.count);

    }

}
```