Question 1:
    Write a program to create a two packages employeepackage and departmentpackage .
    Under employeepackage create class Employee,Manager,Admin,
    Under departmentpackage create class Departement,Project,
    Create main class to test above.

```java
package employeepackage;//created a package employeepackage

//class employee is a default class and its visibility is set within the employee  package
class Employee {
          String empName = "Pavithra";
          String empId = "E230113J";
          String Designation = " Java FullStack Developer";
          String empName1 = "Gaythri";
          String empId1 = "E220803A";
          String Designation1 = " Data Analyst";

          void displayEmployee() {

                    System.out.println("Employee in ou Organization:");
                    System.out.println();
                    System.out.println(empName);
                    System.out.println(empId);
                    System.out.println(Designation);
                    System.out.println();
                    System.out.println(empName1);
                    System.out.println(empId1);
                    System.out.println(Designation1);

                    System.out.println();

          }
}


package employeepackage;

//class Manager is a  created to be a default class  to restrict the accessbility   outside the
employeepackage

public class Manager {
          private String managerName = "Ravichandiran";
          private String managerId = "M200806M";
```

```java
        void displayManager() {
                System.out.println("Manager Details");
                System.out.println();
                System.out.println(managerName);
                System.out.println(managerId);

        }

}


package employeepackage;

 //created a Admin class  as a public class  and can be accessible outside the package too,the
properties of class Employee and Manager can be accessed only through the class Admin.

public class Admin {
        private String adminName = "kavitha";
        private String adminId = "A190304A";

        public void displayAdmin() {

                System.out.println("Admin details");
                System.out.println();
                System.out.println(adminName);
                System.out.println(adminId);
                Manager manager = new Manager();
                manager.displayManager();
                Employee employee = new Employee();
                employee.displayEmployee();

        }
}


package departmentpackage;// created another package departmentpackage.

public class Department {   // class Department is  made public so that can be accesses outside the
package

        private String departmentName1="Developing";
        private String departmentName2="Analysing";
        public void displayDepartment() {
                System.out.println("Department list");
```

```java
                System.out.println(departmentName1);
                System.out.println(departmentName2);
                Project project=new Project();
                project.displayProject();
        }

}

package departmentpackage;

class Project {  // class Project is made default class to restrict its accessiblity outside the class,it
properties can be accessed  outside the package only through the class Department.
        private String projectName1 = "Alpha";
        private String projectName2 = "Beta";
        private String projectName3 = "Delta";

        public void displayProject() {

                System.out.println();
                System.out.println("Project list");
                System.out.println(projectName1);
                System.out.println(projectName2);
                System.out.println(projectName3);
        }
}


package employeepackage;

import java.util.Scanner;

import  departmentpackage.*; // importing the departmentpackage for using the class
Department and Project class

public class TestEmployeePackage {
        public static void main(String[] args) {
        /*      Employee employee = new Employee();
                employee.displayEmployee();

                 Manager manager = new Manager();
                 manager.displayManager();
                  System.out.println();*/

                Admin admin = new Admin();
```

```java
            admin.displayAdmin();
            System.out.println();

            Department department = new Department();
            department.displayDepartment();

        }
}


package departmentpackage;

import employeepackage.*; // importing package employeepackage to use the properties of class Admin.

public class TestDepartmentPackage {

        public static void main(String[] args) {

                Department department = new Department();
                department.displayDepartment();

                Admin admin = new Admin();
                admin.displayAdmin();

        }
}
```