

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.
 - Create a Main class to test the above classes.

```
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 = "Sanvi";

String empId = "E103";

String Designation = "Java Developer";

String empName1 = "Tanvi";

String empId1 = "E104";

String Designation1 = "Test Engineer";

void displayEmployee() {

System.out.println("\nEmployee in the Organization:");

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 accessibility outside the

//employeepackage

public class Manager {

private String managerName = "Rashmi";

private String managerId = "M102";
```

```
void displayManager() {  
    System.out.println("\nManager Details");  
    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 = "Kushi";  
    private String adminId = "A101";  
    public void displayAdmin() {  
        System.out.println("\nAdmin details");  
        System.out.println(adminName);  
        System.out.println(adminId);  
        Manager manager = new Manager();  
        manager.displayManager();  
        Employee employee = new Employee();  
        employee.displayEmployee();  
    }  
}
```

```
package departmentpackage;// created package departmentpackage.  
public class Department { // class Department is made public so that it can be accessed outside the  
//package  
    private String departmentName1="Developing";  
    private String departmentName2="Testing";  
    public void displayDepartment() {  
        System.out.println("\nDepartment list");
```

```
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 accessibility outside the class,
it's properties can be accessed outside the package only through the class Department.*/
private String projectName1 = "A";
private String projectName2 = "B";
private String projectName3 = "C";
public void displayProject() {
    System.out.println("\nProject list");
    System.out.println(projectName1);
    System.out.println(projectName2);
    System.out.println(projectName3);
}
}
```

```
package employeepackage;

import departmentpackage.*;
//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();  
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();  
    }  
}
```