\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1)Write a program to create a two packages employeepackage and departmentpackage and under employeepackage create classes like Employee, Maneger, Admin under departmentpackage create class by name Department and Project. Create a Main class to test the above classes.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** employeepackage; //first package

**public** **class** Employee { //first class and function

**int** empId;

String eName;

**public** **void** display()

{

System.***out***.println("Employee Details");

empId=100;

eName="Harry";

System.***out***.println(empId+" "+eName);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** employeepackage;

**public** **class** Manager { //Second class and function

**int** Id;

String mName;

**public** **void** display1()

{

Id=101;

mName="Dany";

System.***out***.println(Id+" "+mName);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** employeepackage;

**public** **class** Admin { //third class and function

**int** Id;

String aName;

**public** **void** display2()

{

Id=102;

aName="Jhon";

System.***out***.println(Id+" "+aName);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** departmentpackage; //second package

**public** **class** Project { //first class and function

String pName;

**public** **void** print1()

{

System.***out***.println("Department Details");

pName="Fish Management System";

System.***out***.println("name is: "+pName);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** departmentpackage;

**public** **class** Department { //second class and function

String dName;

**public** **void** print2()

{

dName="HR";

System.***out***.println("department name is: "+dName);

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** main; //main class

**import** employeepackage.Employee;

**import** employeepackage.Manager

**import** employeepackage.Admin; //importing all packages with it’s respective classes

**import** departmentpackage.Department;

**import** departmentpackage.Project;

**public** **class** TestPackage {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

//creating objects

Employee emp=**new** Employee();

Manager emp1=**new** Manager();

Admin emp2=**new** Admin();

Project emp3=**new** Project();

Department emp4=**new** Department();

//calling all the methods using objects

emp.display();

emp1.display1();

emp2.display2();

emp3.print1();

emp4.print2();

}

}

**output**

Employee Details

100 Harry

101 Dany

102 Jhon

Department Details

name is: Fish Management System

department name is: HR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2)Write a program to check how many Shape objects created.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**public** **class** Test { //Main class

**int** a=12;

**int** b=7;

**static** **int** *count*; //static variable

**static** //static block

{

*count*=0;

}

//methods

**public** **int** add()

{

*count*++;

**int** c=a+b;

**return** c;

}

**public** **int** sub()

{

*count*++;

**int** c=a-b;

**return** c;

}

**public** **int** mul()

{

*count*++;

**int** c=a\*b;

**return** c;

}

**public** **static** **int** countObj()

{

**return** *count*;

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

//creating objects and calling above methods

Test t1=**new** Test();

Test t2=**new** Test();

Test t3=**new** Test();

System.***out***.println("The Addition is= "+t1.add());

System.***out***.println("The Difference is= "+t1.sub());

System.***out***.println("The Multiplication is= "+t1.add());

//Calling static method using class name

**int** cnt=Test.*countObj*();

System.***out***.println("The number of object created is: "+cnt);

}

}

**output**

The Addition is= 19

The Difference is= 5

The Multiplication is= 19

The number of object created is: 3

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*