

1)

```
package employeepackage;
```

```
    public class Employee {  
        int empId;  
        String eName;  
        public void display()  
        {  
            System.out.println("Employee Details");  
            empId=100;  
            eName="Aakash";  
            System.out.println(empId+" "+eName);  
        }  
    }  
}
```

\*\*\*\*\*

```
package employeepackage;
```

```
    public class Manager {  
        int Id;  
        String mName;  
        public void display1()  
        {  
            Id=101;  
            mName="Riyas";  
            System.out.println(Id+" "+mName);  
        }  
    }  
}
```

\*\*\*\*\*

```
package employeepackage;
```

```
public class Admin {  
    int Id;  
    String aName;  
    public void display2()  
    {  
        Id=102;  
        aName="Helen";  
        System.out.println(Id+" "+aName);  
    }  
}
```

```
*****
```

```
package departmentpackage;
```

```
public class Project {  
    String pName;  
    public void print1()  
    {  
        System.out.println("Department Details");  
        pName="Management System";  
        System.out.println("name is: "+pName);  
    }  
}
```

```
*****
```

```
package departmentpackage;
```

```

public class Department {
    String dName;
    public void print2()
    {
        dName="HR";
        System.out.println("department name is: "+dName);
    }
}

*****

package main;

import employeepackage.Employee;
import employeepackage.Manager;
import employeepackage.Admin;
import departmentpackage.Department;
import departmentpackage.Project;

public class TestPackage {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

Employee emp=new Employee();
Manager emp1=new Manager();
Admin emp2=new Admin();
Project emp3=new Project();
Department emp4=new Department();

emp.display();
emp1.display1();
emp2.display2();
emp3.print1();

```

```
emp4.print2();  
    }  
}
```

## output

Employee Details

100 Aakash

101 Riyas

102 Helen

Department Details

name is: Management System

department name is: HR

\*\*\*\*\*

2)

```
public class Test {  
    int a=12;  
    int b=7;  
    static int count;  
    static  
    {  
        count=0;  
    }  
    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

        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());

        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

\*\*\*\*\*