EXP NO:6
DATE:

<div align="center">

PACKAGES

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AIM:

To write a package program using the oops concept.

ALGORITHM:

Step 1: start the program.

Step 2: import the package for this program.

Step 3:create a class for this particular program.

Step 4:for the default package import the first package into the new package.

Step 5 If it is required use the method which is required.

Step 6:import the new package in the private class it will be a compile time error.

Step 7:import the package for the public class.declare the variables and class in public.

Step 8:declare the protected variables and class using protected keyword.

Step 9:stop the program.

PROGRAM:
DEFAULT PACKAGE:

```
package package1;
public class A {
  public void disp() {
        System.out.println("Hiii);
      }
   }
```

//PACKAGE 2

```
package package2;
import package1.*;
public class B{
 public static void main(String args[]){
```

```
    System.out.println("Default package");
   A obj = new A();
    obj.disp();
   }
}
```

OUTPUT:

Default package
Hiii

PUBLIC PACKAGE:

```
package package1;
public class A  {
    public void disp() {
        System.out.println("Hello");}
     }
```

//PACKAGE 2

```
package package2;
import package1.*;
public class B{
  public static void main(String args[]){
   System.out.println("PUBLIC package");
  A obj = new A();
   obj.disp();
  } }
```

OUTPUT:

PUBLIC package
Hello

PRIVATE PACKAGES:

```
package package3;
class A{
        private int a = 40;
        private void disp(){System.out.println("Hello java");}
        }
```

```
public class Simple{
 public static void main(String args[]){
   A obj = new A();
    System.out.println(obj.a);
   obj.disp();
   } }
```

OUTPUT:

Exception in thread "main" java.lang.Error: Unresolved compilation problems:
        The field A.a is not visible

        The method msg() from the type A is not visible

        at package3.Simple.main(Simple.java:11)

PROTECTED PACKAGES:

```
package package4;
      public class A
        {
        protected void disp(){System.out.println("protected is working");}
   }
```

```
package package4;
import package4.*;
 class B extends A {
public static void main(String args[])
 {
      B obj = new B();
       obj.disp();
       } }
```

OUTPUT
protected is working

RESULT:
    Thus the package program using oops concept has been compiled and executed
successfully.