



## \* Assignment No: 15 \*

### \* Title :

Write a java program which will demonstrate a concept of interface and package .

### • Objective :

- i) To Understand Concept of interface in java language.
- ii) To Understand concept of package in java language.

### • Learning Objective :

1. To Objective Concept of interface in java.
2. To understand concept of package in java.

### \* Outcome :

Define and use interface in java  
Define and use package in java.

### \* Theory :

#### 1) Interface :

An interface in java is a blue print of class . It has static constant and abstract method only.

The interface in java is a mechanism achieve fully abstraction . There can be only abstract method in java . It is Multiple





Inheritance in java. It cannot be instantiated just like abstract class.

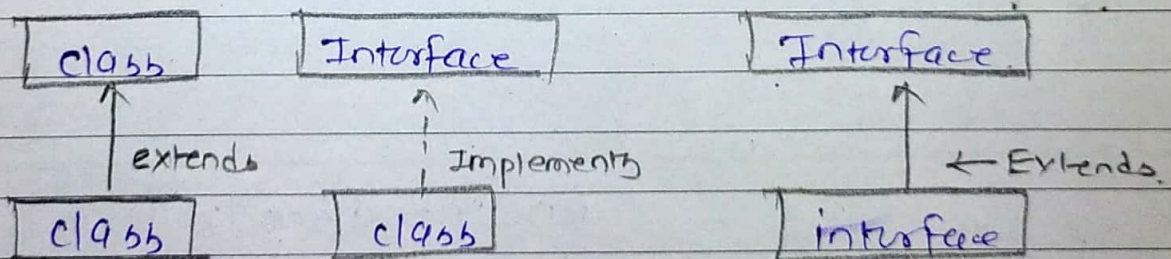
\* In other words, interface fields are public static and final by default & method use public & abstract.

```
Interface printable {  
    int I = 5;  
    void print();  
}
```

printable.java.

compile.

```
Interface Printable  
{  
    public static void int min = 5;  
    public abstract void print();  
}
```



\* Example.:





```
interface printable  
{
```

```
    void print();  
}
```

```
class AG implements printable {
```

```
    public void print()  
    {
```

```
        b.o.println("Hello");  
    }
```

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

```
        AG obj = new AG();
```

```
        obj.print();  
    }
```

```
}
```

Output :- Hello.

### \* Package:

A java package is a group of similar types of classes, interface, and subpackages. Interface and subpackage packages in java can be categorized in the form of Built in package and user defined package.

### \* Advantages:-

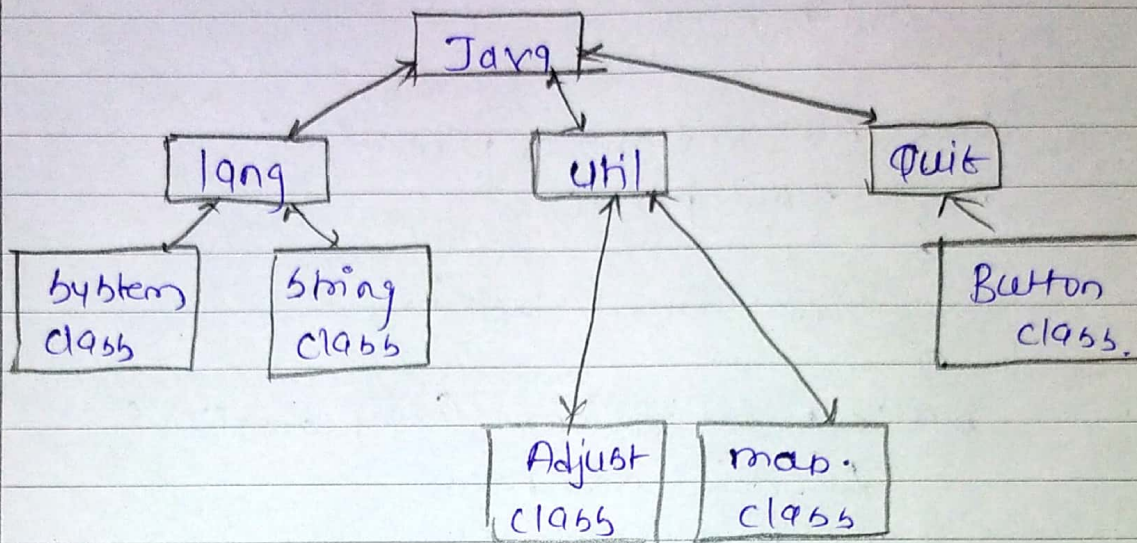
1. Java package is used to categorize the classes and interface so that they can be easily maintained.

2. Java packages provide access protection.





### 3. Java packages remove flaming collision.



Ex:

package code:-

```

package maypack;
public class simple
{

```

```

    public static void main(String args[])
    {

```

```

        S.O.println("welcome to
        package");
    }
}

```

then, Driver code to Import packages.

```

import maypack;

```

```

public class SAMPLE2

```

```

    public static void main(String args[]) {

```

```

        A6 Object = new A6();

```

```

        obj.mayt(); obj.mayt;
    }
}

```

3.





\*Conclusion\*:-

Hence we studied and implemented the program for package and interface using Java.