
# FACULTY OF Engineering & Technology

6)Inside any implementation class, you cannot change the variables declared in interface because by default, they are public, static and final

```
class demo
{
 public static void main(String args[])
{
     x=20; //compile time error
 }
}
```

7) An interface can extend any interface but cannot implement it.
Class implements interface and interface extends interface.

8) A **class** can implement any **number of interfaces**.

9) If there are **two or more same methods** in two interfaces and a class implements both interfaces, implementation of the method once is enough.

```
interface X
{
 public void hello();
}
interface Y
{
public void hello();
}
 class demo implements X,Y
{
 public void hello()
{
 //Any Code here
}
 public static void main(String args[])
{ //Statements
}
 }
```

here both interface X,Y has same method hello(), so in implemting class only one method is Sufficient and to provide implementation in that

10) A class cannot implement two interfaces that have methods with same name but Different return type.

**Example:**

```
interface X
 {
public void a();
}
 interface Y
{
 public int a();
}
 class testl implements X,Y
{
 public voidaa() // error
{ }
 public int a() // error
 { }
public static void main(String args[])
{ }
 }
```

here compile time error will raise because of methods with different return type in corresponding Interfaces

# Quiz

1. Explain the mechanism by which we can control the accessibility of classes and method in java?
2. What are Packages in java and how we can create a user defined package?
3. Explain various advantages of putting a class inside a package?
4. Explain the role of import keyword?
5. Explain various ways in which we can use import keyword?
6. Explain the role of Interfaces?