

# Java Concept 40

- During inheritance of nested interface, In which both outer and inner interface have methods with same name, needed to be defined only once in the child class

```
1 //Defined 3 times //Error
2 interface Outer
3 {
4     public void callMe();
5     interface inner
6     {
7         public void callMe();
8     }
9 }
10
11 interface Java
12 {
13     public void callMe();
14 }
15 public class JavaConcept implements Outer , Outer.inner , Java
16 {
17     public void callMe()
18     {
19         System.out.println("Calling callMe");
20     }
21
22     public void callMe()
23     {
24         System.out.println("Calling callMe");
25     }
26
27     public void callMe()
28     {
29         System.out.println("Calling callMe");
30     }
31
32     public static void main(String args[])
33     {
34         JavaConcept obj = new JavaConcept();
35         obj.callMe();
36     }
37 }
```

Error - Uncompilable source code - method callMe() is already defined in class  
javaconcept.JavaConcept

```
1 //Defined once //No Error
2 interface Outer
3 {
4     public void callMe();
5     interface inner
6     {
7         public void callMe();
8     }
9 }
10
11 interface Java
12 {
13     public void callMe();
14 }
15 public class JavaConcept implements Outer , Outer.inner , Java
16 {
17     public void callMe()
18     {
19         System.out.println("Calling callMe");
20     }
21
22     public static void main(String args[])
23     {
24         JavaConcept obj = new JavaConcept();
25         obj.callMe();
26     }
27 }
```

run:

Calling callMe

BUILD SUCCESSFUL (total time: 0 seconds)