Java Concept 46

- If a class implements two or more interfaces and interfaces contain default methods with same method declaration , Overriding of method is must
- In Java Multiple inheritance is achieved using interfaces

```
1   //Not Overriding default methods
2   //Error
3   interface Parent_1
4   {
5       default void show()
6       {
7          System.out.println("Parent_1");
8       }
9   }
10  interface Parent_2
11  {
12      default void show()
13      {
14         System.out.println("Parent_2");
15      }
16  }
17  public class JavaConcept implements Parent_1 , Parent_2
18  {
19
20      public static void main(String args[])
21        {
22           JavaConcept obj = new JavaConcept();
23           obj.show();
24        }
25  }
```

Error-
error: class JavaConcept inherits unrelated defaults for show() from types Parent_1 and Parent_2 public class JavaConcept implements Parent_1 , Parent_2

```java
//Overriding default method
// No Error
interface Parent_1
{
    default void show()
    {
        System.out.println("Parent_1");
    }
}
interface Parent_2
{
    default void show()
    {
        System.out.println("Parent_2");
    }
}
public class JavaConcept implements Parent_1 , Parent_2
{
    public void show()
    {
      Parent_1.super.show();
      Parent_2.super.show();
      System.out.println("Java Concepts");
    }

    public static void main(String args[])
      {
        JavaConcept obj = new JavaConcept();
        obj.show();
      }
}
```

```
run:
Parent_1
Parent_2
Java Concepts
```