

Java Concept 41

- Before java 8 , methods **can not** be defined in **interface** only declared
- From java 8 , methods **can be** defined in **interface** but method has to be declared using **default** key word

```
1 //No Error in Java 8
2 //Error in Java 7
3 interface Java
4 {
5     default void fun()
6     {
7
8     }
9 }
```

```
1 //Definig method with default keyword
2 //No Error
3 interface Java
4 {
5     int b = 10;
6     default void show()
7     {
8         System.out.println("Value of b : "+b);
9     }
10 }
11 public class JavaConcept implements Java
12 {
13     public static void main(String args[])
14     {
15         JavaConcept obj = new JavaConcept();
16         obj.show();
17
18     }
19 }
```

run:

Value of b : 10

BUILD SUCCESSFUL (total time: 0 seconds)

```

1 //Definig method without default keyword
2 //Error
3 interface Java
4 {
5     int b = 10;
6     public void hi()
7     {
8         System.out.println("Hello");
9     }
10 }
11 public class JavaConcept implements Java
12 {
13     public static void main(String args[])
14     {
15         JavaConcept obj = new JavaConcept();
16         obj.hi();
17     }
18 }
19 }

```

Error : interface abstract methods cannot have body

```

1 //method with default keyword cannot be
2 //made abstract
3 //Error
4 interface Java
5 {
6     int b = 10;
7     default void show();
8 }
9 }
10 public class JavaConcept implements Java
11 {
12 }
13     public void show()
14     {
15         System.out.println("Value of b : "+b);
16     }
17     public static void main(String args[])
18     {
19         JavaConcept obj = new JavaConcept();
20     }
21 }

```

Error : missing method body, or declare abstract
default void show();