JAVA 8

Why Java 8 has introduced
default method ?

Consider, there are 100 classes implementing an interface. Now, just think what would happen if you want to introduce **one new method** in the interface ? To make sure, you are not breaking the interface contract, you need to implement the new method in all 100 classes. Phew !

```java
interface interface1{
    void print1();
}

class Demo1 implements  interface1{
    @Override
    public void print1() {
        System.out.println("I am in Demo1 class");
    }
}

class Demo2 implements interface1 {
    @Override
    public void print1() {
        System.out.println("I am in Demo2 class");
    }
}
```

default method helps us to provide default implementation of the new method without breaking the interface contract. It's not mandatory to implement this method in all 100 classes and if we want, this default method can be overridden to implement custom logic.

```java
interface interface1{
    void print1();
    default void print2() {
        System.out.println("I am in default method");
    }
}

class Demo1 implements  interface1{
    @Override
    public void print1() {
        System.out.println("I am in Demo1 class");
    }
}

class Demo2 implements interface1 {
    @Override
    public void print1() {
        System.out.println("I am in Demo2 class");
    }
}
```