Java Concept 63

- When Garbage Collector calls finalize() method on an object, it ignores all the exceptions raised in the finalize() method and program will terminate normally.

```java
1   //When finalize called by GC
2   // No Exception
3   class JavaConcept
4   {
5      public static void main(String args[]) throws InterruptedException
6      {
7          JavaConcept obj = new JavaConcept();
8          obj = null;
9          Thread.sleep(1000);
10         System.gc();
11     }
12      protected void finalize()
13      {
14          System.out.println("1.finalize method called");
15          System.out.println(10/0);
16          System.out.println("2.finalize method called");
17      }
18 }
```
```
run:
1.finalize method called
```

```java
1   //When finalize called explicitly
2   //Arithmetic Exception
3   class JavaConcept
4   {
5      public static void main(String args[]) throws InterruptedException
6      {
7          JavaConcept obj = new JavaConcept();
8          obj.finalize();
9
10     }
11      protected void finalize()
12      {
13          System.out.println("1.finalize method called");
14          System.out.println(10/0);
15          System.out.println("2.finalize method called");
16      }
17 }
```
```
run:
1.finalize method called
Exception in thread "main" java.lang.ArithmeticException: / by zero
```