

Java Concept 29

- Number of **try** , **catch** and **finally** block

try	finally	catch
1	(0 or 1)	(0 to Many) For zero catch need at least one finally block

```
1 //Code with catch // No runtime Error // No Compile Error
2 public class JavaConcept
3 {
4     public static void main(String args[])
5     {
6         try
7         {
8             for(int i = 1;i<6;i++)
9             {
10                System.out.println(C.P+"Number : "+100/(5-i));
11            }
12        }
13        catch(ArithmeticException e)
14        {
15            System.out.println(e.getMessage());
16        }
17    }
18 }
19 }
```

run:

Number : 25

Number : 33

Number : 50

Number : 100

/ by zero

```

1 //Code without catch , without finally
2 //Compile Error // No runtime error
3 public class JavaConcept
4 {
5     public static void main(String args[])
6     {
7         try
8         {
9             for(int i = 1;i<6;i++)
10            {
11                System.out.println(C.P+"Number : "+100/(5-i)
12                    +C.RE);
13            }
14        }
15    }
16 }
17 }

```

run:

Number : 25

Number : 33

Number : 50

Exception in thread "main" java.lang.ArithmeticException: / by zero

Number : 100

Compile time error:

'try' without 'catch', 'finally' or resource declarations

```

1 //Code without catch and with finally
2 //No runtime Error // No Compile Error
3 public class JavaConcept
4 {
5     public static void main(String args[])
6     {
7         try
8         {
9             for(int i = 1;i<6;i++)
10            {
11                System.out.println(C.P+"Number : "+100/(5-i)
12                    +C.RE);
13            }
14        }
15        finally
16        {
17            System.out.println("In finally");
18        }
19    }
20 }
21 }

```

run:

Number : 25

Number : 33

Exception in thread "main" java.lang.ArithmeticException: / by zero

Number : 50

Number : 100

In finally