

EXCEPTION HANDLER IN JAVA

Exception: In Java, an exception is an event that disrupts the normal flow of the program. It is an object which is thrown at runtime.

Exception handling: The Exception Handling in Java is one of the powerful mechanism to handle the runtime errors so that normal flow of the application can be maintained.

Exception Handling is a mechanism to handle runtime errors such as ClassNotFoundException, IOException, SQLException, RemoteException, etc.

Example for exception handling in Java:

```
public class JavaExceptionExample{
    public static void main(String args[])
    {
        int a = 10;
        try
        {
            int z= a/0;
        }
        catch(ArithmeticException e)
        {
            System.out.println(e);}
    }
}
```

Types of Java Exceptions:

1. Checked Exception
2. Unchecked Exception

1. Checked Exception: The classes which directly inherit Throwable class except RuntimeException and Error are known as checked exceptions e.g. IOException..

Checked exceptions are checked at compile-time.

2. Unchecked Exception: The classes which inherit RuntimeException are known as unchecked exceptions e.g. ArithmeticException, ArrayIndexOutOfBoundsException etc.

Unchecked exceptions are not checked at compile-time, but they are checked at runtime.

[Java exception keywords:](#)

1. try
2. catch
3. finally
4. throw
5. throws

[References:](#)

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