

JAVA.LANG.THROWABLE.FILLINSTACKTRACE METHOD

http://www.tutorialspoint.com/java/lang/throwable_fillinstacktrace.htm

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Description

The **java.lang.Throwable.fillInStackTrace** method fills in the execution stack trace. This method records within this Throwable object information about the current state of the stack frames for the current thread.

Declaration

Following is the declaration for **java.lang.Throwable.fillInStackTrace** method

```
public Throwable fillInStackTrace()
```

Parameters

- NA

Return Value

This method returns a reference to this Throwable instance.

Exception

- NA

Example

The following example shows the usage of java.lang.Throwable.fillInStackTrace method.

```
package com.tutorialspoint;

import java.lang.*;

public class ThrowableDemo {

    public static void function1() throws Exception {
        throw new Exception("this is thrown from function1()");
    }

    public static void function2() throws Throwable {
        try {
            function1();
        }
        catch(Exception e) {
            System.err.println("Inside function2():");
            e.printStackTrace();
            throw e.fillInStackTrace();
        }
    }

    public static void main(String[] args) throws Throwable {
        try {
            function2();
        }
        catch (Exception e) {
            System.err.println("Caught Inside Main:");
            e.printStackTrace();
        }
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Inside function2():  
java.lang.Exception: this is thrown from function1()  
at ThrowableDemo.function1(ThrowableDemo.java:4)  
at ThrowableDemo.function2(ThrowableDemo.java:9)  
at ThrowableDemo.main(ThrowableDemo.java:19)  
Caught Inside Main:  
java.lang.Exception: this is thrown from function1()  
at ThrowableDemo.function2(ThrowableDemo.java:13)  
at ThrowableDemo.main(ThrowableDemo.java:19)  
Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```