

JAVA.LANG.THREAD.GETSTACKTRACE METHOD

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

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Description

The **java.lang.Thread.getStackTrace** method returns an array of stack trace elements representing the stack dump of this thread. This will return a zero-length array if this thread has not started or has terminated.

If the returned array is of non-zero length then the first element of the array represents the top of the stack, which is the most recent method invocation in the sequence. The last element of the array represents the bottom of the stack, which is the least recent method invocation in the sequence.

Declaration

Following is the declaration for **java.lang.Thread.getStackTrace** method

```
public StackTraceElement[] getStackTrace()
```

Parameters

- NA

Return Value

This method returns an array of StackTraceElement, each represents one stack frame.

Exception

- **SecurityException** -- if a security manager exists and its checkPermission method doesn't allow getting the stack trace of thread.

Example

The following example shows the usage of java.lang.Thread.getStackTrace method.

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo {

    public static void main(String[] args) {

        function();

    }

    public static void function(){

        new ThreadDemo().function2();

    }

    public void function2() {

        System.out.println(Thread.currentThread().getStackTrace()[3].
        getClassName());

    }

}
```

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

```
ThreadDemo
```

