

JAVA.LANG.THROWABLE.PRINTSTACKTRACE METHOD

http://www.tutorialspoint.com/java/lang/throwable_printstacktrace_printstream.htm Copyright © tutorialspoint.com

Description

The **java.lang.Throwable.printStackTracePrintStreams** method prints this throwable and its backtrace to the specified print stream.

Declaration

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

```
public void printStackTrace(PrintStream s)
```

Parameters

- **s** -- This is the PrintStream to use for output

Return Value

This method does not return any value.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ThrowableDemo {

    public static void main(String[] args) throws Throwable {

        OutputStream out;
        try {
            ExceptionFunc();
        }
        catch(Throwable e) {
            out = new FileOutputStream("file.text");
            // prints this throwable and its backtrace to the print stream
            PrintStream ps = new PrintStream(out);
            e.printStackTrace(ps);
        }
    }

    public static void ExceptionFunc() throws Throwable {

        Throwable t = new Throwable("This is new Exception...");
        StackTraceElement[] trace = new StackTraceElement[] {
            new StackTraceElement("ClassName", "methodName", "fileName", 10)
        };

        // sets the stack trace elements
        t.setStackTrace(trace);
        throw t;
    }
}
```

Let us assume we have a text file **file.txt** which gets generated as an output for our example program. The file content consists of:

```
java.lang.Throwable: This is new Exception...  
at ClassName.methodName(fileName:10)
```

```
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