Java – StackTrace to String conversion

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There are times when we want to **convert the occurred exception to String**. In the following program we are converting the stacktrace to String by using Throwable.printStackTrace(PrintWriter pw).

Example: Converting Exception StackTrace to String

```java
package com.beginnersbook.string;
import java.io.PrintWriter;
import java.io.StringWriter;

public class StacktraceToString {
    public static void main(String args[]){
        try{
            int i =5/0;
            System.out.println(i);
        }catch(ArithmeticException e){
            /* This block of code would convert the
             * stacktrace to string by using
             * Throwable.printStackTrace(PrintWriter pw)
             * which sends the stacktrace to the writer
             * that we can convert to string using tostring()
             */
            StringWriter sw = new StringWriter();
            PrintWriter pw = new PrintWriter(sw);
            e.printStackTrace(pw);
            String stacktraceString = sw.toString();
            System.out.println("String is: "+stacktraceString);
        }
    }
}
```
Output:

```
String is: java.lang.ArithmeticException: / by zero
at com.beginnersbook.string.StacktraceToString.main(StacktraceToString.java:8)
```