

JAVA.LANG.THREAD.CHECKACCESS METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Thread.checkAccess** method determines if the currently running thread has permission to modify this thread.

Declaration

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

```
public final void checkAccess()
```

Parameters

- **NA**

Return Value

This method does not return any value.

Exception

- **SecurityException** -- if the current thread is not allowed to access this thread.

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo {

    public static void main(String args[]){

        new ThreadClass("A");
        Thread t = Thread.currentThread();

        try {
            /* determines if the currently running thread has permission to
            modify this thread */
            t.checkAccess();
            System.out.println("You have permission to modify");
        }

        /* if the current thread is not allowed to access this thread, then it
        result in throwing a SecurityException. */
        catch(Exception e) {
            System.out.println(e);
        }
    }

    class ThreadClass implements Runnable {

        Thread t;
        String str;

        ThreadClass(String str) {

            this.str = str;
```

```
t = new Thread(this);  
// this will call run() function  
t.start();  
}  
  
public void run() {  
    System.out.println("This is run() function");  
}  
}
```

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

```
You have permission to modify  
This is run() function
```

```
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```