

JAVA.LANG.THREAD.GETID METHOD

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

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Description

The **java.lang.Thread.getId** method returns the identifier of this Thread. The thread ID is a positive long number generated when this thread was created.

The thread ID is unique and remains unchanged during its lifetime. When a thread is terminated, this thread ID may be reused.

Declaration

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

```
public long getId()
```

Parameters

- NA

Return Value

This method returns this thread's ID.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class ThreadDemo implements Runnable {

    Thread t;
    ThreadDemo() {

        // thread created
        t = new Thread(this, "Admin Thread");
        // set thread priority
        t.setPriority(1);
        // prints thread created
        System.out.println("thread = " + t);
        // this will call run() function
        t.start();
    }

    public void run() {
        // returns the identifier of this Thread.
        System.out.println("Name = " + t.getName());
        System.out.print("Id = " + t.getId());
    }

    public static void main(String args[]) {
        new ThreadDemo();
    }
}
```

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

```
thread = Thread[Admin Thread,1,main]  
Name = Admin Thread  
Td = 8
```

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