Home   **Java**   **Programs**   **OOPs**   **String**   **Exception**   **Multithreading**   **Collections**

Naming Thread and Current Thread

Naming Thread

The Thread class provides methods to change and get the name of a thread. By default, each thread has a name, i.e. thread-0, thread-1 and so on. By we can change the name of the thread by using the setName() method. The syntax of setName() and getName() methods are given below:

public String getName(): is used to **return** the name of a thread.

public void setName(String name): is used to change the name of a thread.

We can also set the name of a thread directly when we create a new thread using the constructor of the class.

Example of naming a thread : Using setName() Method

FileName: TestMultiNaming1.java

```
class TestMultiNaming1 extends Thread{
 public void run(){
  System.out.println("running...");
 }
 public static void main(String args[]){
  TestMultiNaming1 t1=new TestMultiNaming1();
  TestMultiNaming1 t2=new TestMultiNaming1();
  System.out.println("Name of t1:"+t1.getName());
  System.out.println("Name of t2:"+t2.getName());

  t1.start();
  t2.start();

  t1.setName("Sonoo Jaiswal");
  System.out.println("After changing name of t1:"+t1.getName());
 }
```

```
}
```

☑ **Test it Now**

Output:

```
Name of t1:Thread-0
Name of t2:Thread-1
After changing name of t1:Sonoo Jaiswal
running...
running...
```

Example of naming a thread : Without Using setName() Method

One can also set the name of a thread at the time of the creation of a thread, without using the setName() method. Observe the following code.

FileName: ThreadNamingExample.java

```java
// A Java program that shows how one can
// set the name of a thread at the time
// of creation of the thread

// import statement
import java.io.*;

// The ThreadNameClass is the child class of the class Thread
class ThreadName extends Thread
{
```

```java
// constructor of the class
ThreadName(String threadName)
{
// invoking the constructor of
// the superclass, which is Thread class.
super(threadName);
}


// overriding the method run()
public void run()
{
System.out.println(" The thread is executing....");
}
}


public class ThreadNamingExample
{
// main method
public static void main (String argvs[])
{
// creating two threads and settting their name
// using the contructor of the class
ThreadName th1 = new ThreadName("JavaTpoint1");
ThreadName th2 = new ThreadName("JavaTpoint2");

// invoking the getName() method to get the names
// of the thread created above
System.out.println("Thread - 1: " + th1.getName());
System.out.println("Thread - 2: " + th2.getName());


// invoking the start() method on both the threads
th1.start();
th2.start();
}
}
```

Output:

```
Thread - 1: JavaTpoint1
Thread - 2: JavaTpoint2
 The thread is executing....
 The thread is executing....
```

Current Thread

The currentThread() method returns a reference of the currently executing thread.

public static Thread currentThread()

Example of currentThread() method

FileName: TestMultiNaming2.java

```
class TestMultiNaming2 extends Thread{
 public void run(){
  System.out.println(Thread.currentThread().getName());
 }
 public static void main(String args[]){
  TestMultiNaming2 t1=new TestMultiNaming2();
  TestMultiNaming2 t2=new TestMultiNaming2();

  t1.start();
  t2.start();
 }
}
```

✓ **Test it Now**

Output:

```
Thread-0
Thread-1
```

← Prev

Next →

Youtube For Videos Join Our Youtube Channel: Join Now

Feedback

- Send your Feedback to feedback@javatpoint.com

Help Others, Please Share

Learn Latest Tutorials

Splunk tutorial	SPSS tutorial	Swagger tutorial	T-SQL tutorial
Splunk	SPSS	Swagger	Transact-SQL

Tumblr tutorial
Tumblr

React tutorial
ReactJS

Regex tutorial
Regex

Reinforcement learning tutorial
Reinforcement Learning

R Programming tutorial
R Programming

RxJS tutorial
RxJS

React Native tutorial
React Native

Python Design Patterns
Python Design Patterns

Python Pillow tutorial
Python Pillow

Python Turtle tutorial
Python Turtle

Keras tutorial
Keras

Preparation

Aptitude
Aptitude

Logical Reasoning
Reasoning

Verbal Ability
Verbal Ability

Interview Questions
Interview Questions

Company Interview Questions
Company Questions

Trending Technologies

Artificial Intelligence
Artificial Intelligence

AWS Tutorial
AWS

Selenium tutorial
Selenium

Cloud Computing
Cloud Computing

Hadoop tutorial
Hadoop

ReactJS Tutorial

Data Science Tutorial

Angular 7 Tutorial

ReactJS

Blockchain Tutorial

Blockchain

Data Science

Git Tutorial

Git

Angular 7

Machine Learning Tutorial

Machine Learning

DevOps Tutorial

DevOps

B.Tech / MCA

DBMS tutorial

DBMS

Data Structures tutorial

Data Structures

DAA tutorial

DAA

Operating System

Operating System

Computer Network tutorial

Computer Network

Compiler Design tutorial

Compiler Design

Computer Organization and Architecture

Computer Organization

Discrete Mathematics Tutorial

Discrete Mathematics

Ethical Hacking

Ethical Hacking

Computer Graphics Tutorial

Computer Graphics

Software Engineering

Software Engineering

html tutorial

Web Technology

Cyber Security tutorial

Automata Tutorial

C Language tutorial

C++ tutorial

C++

Cyber Security

Automata

C Programming

Java tutorial

Java

.Net Framework tutorial

.Net

Python tutorial

Python

List of Programs

Programs

Control Systems tutorial

Control System

Data Mining Tutorial

Data Mining

Data Warehouse Tutorial

Data Warehouse