JAVA.LANG.THREADGROUP CLASS

Introduction

The **java.lang.ThreadGroup** class represents a set of threads. It can also include other thread groups. The thread groups form a tree in which every thread group except the initial thread group has a parent.

Class declaration

Following is the declaration for **java.lang.ThreadGroup** class:

```
public class ThreadGroup
   extends Object
   implements Thread.UncaughtExceptionHandler
```

Class constructors

S.N.	Constructor & Description
1	**ThreadGroup***Stringname* This constructs a new thread group.
2	**ThreadGroup***ThreadGroupparent, Stringname* This creates a new thread group.

Class methods

S.N.	Method & Description
1	int activeCount This method returns an estimate of the number of active threads in this thread group.
2	int activeGroupCount This method returns an estimate of the number of active groups in this thread group.
3	void checkAccess This method determines if the currently running thread has permission to modify this thread group.
4	void destroy This method Destroys this thread group and all of its subgroups.

5

int enumerate*Thread*[]*list*

This method Copies into the specified array every active thread in this thread group and its subgroups.

6

int enumerate*Thread*[]*list*, *booleanrecurse*

This method copies into the specified array every active thread in this thread group.

7

int enumerate*ThreadGroup*[]*list*

This method copies into the specified array references to every active subgroup in this thread group.

8

int enumerate*ThreadGroup*[]*list*, *booleanrecurse*

This method copies into the specified array references to every active subgroup in this thread group.

9

int getMaxPriority

This method returns the maximum priority of this thread group.

10

String getName

This method returns the name of this thread group.

11

ThreadGroup getParent

This method returns the parent of this thread group.

12

void interrupt

This method interrupts all threads in this thread group.

13

boolean isDaemon

This method Tests if this thread group is a daemon thread group.

14

boolean isDestroyed

This method tests if this thread group has been destroyed.

15

void list

This method prints information about this thread group to the standard output.

16

boolean parentOf*ThreadGroupg*

This method tests if this thread group is either the thread group argument or one of its ancestor thread groups.

17

void setDaemon*booleandaemon*

This method changes the daemon status of this thread group.

18

void setMaxPriority*intpri*

This method sets the maximum priority of the group.

19

String toString

This method returns a string representation of this Thread group.

20

void uncaughtException*Threadt, Throwablee*

This method called by the Java Virtual Machine when a thread in this thread group stops because of an uncaught exception, and the thread does not have a specific Thread.UncaughtExceptionHandler installed.

Methods inherited

This class inherits methods from the following classes:

- java.lang.Object