

JAVA.UTIL.TIMER CLASS

http://www.tutorialspoint.com/java/util/java_util_timer.htm

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Introduction

The **java.util.Timer** class provides facility for threads to schedule tasks for future execution in a background thread.

- This class is thread-safe i.e multiple threads can share a single Timer object without the need for external synchronization.
- This class schedules tasks for one-time execution, or for repeated execution at regular intervals.
- All constructors start a timer thread.

Class declaration

Following is the declaration for **java.util.Timer** class:

```
public class Timer
    extends Object
```

Class constructors

S.N.	Constructor & Description
1	Timer This constructor creates a new timer.
2	Timer <i>booleanisDaemon</i> This constructor creates a new timer whose associated thread may be specified to run as a daemon.
3	Timer <i>Stringname</i> This constructor creates a new timer whose associated thread has the specified name.
4	Timer <i>Stringname, booleanisDaemon</i> This constructor creates a new timer whose associated thread has the specified name, and may be specified to run as a daemon.

Class methods

S.N.	Method & Description
1	<u>void cancel</u> This method terminates this timer, discarding any currently scheduled tasks.

2

[int purge](#)

This method removes all cancelled tasks from this timer's task queue.

3

[void scheduleTimerTasktask, Datetime](#)

This method schedules the specified task for execution at the specified time.

4

[void scheduleTimerTasktask, DatefirstTime, longperiod](#)

This method schedules the specified task for repeated fixed-delay execution, beginning at the specified time.

5

[void scheduleTimerTasktask, longdelay](#)

This method schedules the specified task for execution after the specified delay.

6

[void scheduleTimerTasktask, longdelay, longperiod](#)

This method schedules the specified task for repeated fixed-delay execution, beginning after the specified delay.

7

[void scheduleAtFixedRateTimerTasktask, DatefirstTime, longperiod](#)

This method schedules the specified task for repeated fixed-rate execution, beginning at the specified time.

8

[void scheduleAtFixedRateTimerTasktask, longdelay, longperiod](#)

This method Schedules the specified task for repeated fixed-rate execution, beginning after the specified delay.

Methods inherited

This class inherits methods from the following classes:

• [java.util.Object](#)

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