

# Lesson 3 : Thread Joining, Daemon Thread, Thread Priority

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## Why stop(), resume() suspended() method is deprecated ?

**STOP** : Terminates the thread abruptly, releases locks, No resource cleanup happens

**SUSPEND** : Put the thread on hold (suspend) for temporarily. No lock is released.

**RESUME** : Used to resume the execution of suspended thread.

These operations led to deadlock so deprecated.

## JOIN

When join method is invoked on a thread object. Current thread will be blocked and waits for the specific thread to finish.

It is helpful when we want to coordinate b/w threads or to ensure we complete certain task before moving ahead.

See code example

## THREAD PRIORITY

.setPriority() 1 is lowest, 10 is highest.

JVM doesn't guarantee to follow specific order its just a hint to thread scheduler which to execute next.

When new thread is created it inherit the priority of its Parent method.

## DAEMON THREAD

There are two types of thread, user thread and daemon thread.

setDaemon(true) makes it daemon thread.

Daemon thread is alive till anyone user thread is alive. It dies abruptly in middle.

Useful for GC, autosave feature of editor, logging