

Daemon Thread

A daemon thread is a thread which runs continuously in the background.

It provides support to non-daemon threads.

When last non-daemon thread terminates, automatically all daemon threads will be terminated. We are not required to terminate daemon thread explicitly.



Daemon Threads



Create Daemon Thread

setDaemon(True) Method or *daemon = True* Property is used to make a thread a Daemon thread.

Ex:-

```
t1 = Thread(target=disp)
```

```
t1.setDaemon(True)
```

```
t1.daemon = True
```

Method

`setDaemon(True/False)` - This method is used to set a thread as daemon thread.

You can set thread as daemon only before starting that thread which means active thread status cannot be changed as daemon.

If we pass True non-daemon thread will become daemon and if False daemon thread will become non-daemon.

`daemon` Property - This property is used to check whether a thread is daemon or not. It returns True if thread is daemon else False.

We can also use daemon property to set a thread as daemon thread or vice versa.

`isDaemon()` - This method is used to check whether a thread is daemon or not. It returns True if thread is daemon else False.

Default Nature of Thread

- Main Thread is always non-daemon thread.
- Rest of the threads inherits daemon nature from their parents.
 - If parent thread is non daemon then child thread will become non daemon thread.
 - If parent thread is daemon then child thread will also become a daemon thread.
- When last non-daemon thread terminates, automatically all daemon threads will be terminated. We are not required to terminate daemon thread explicitly.