

Priority of threads

Notes:

→

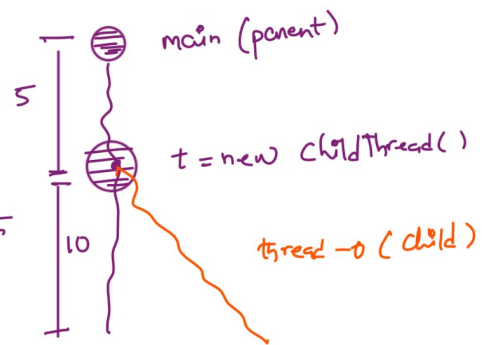
MIN	NORMAL	MAX
1	5	10

→ The default priority of main thread is 5

→ The default priority of other threads [thread-0, thread-1] is same as its parent thread

→ The thread which creates another thread becomes parent thread & the newly created thread becomes the child thread

main() — parent thread
t — child thread



→ we can get the priority of a thread with the help of `getPriority()`

→ we can set the priority of the thread by calling `setPriority()` → 1 — 10

Notes:

→ if we pass any value beyond (1-10) for `setPriority()` it will throw an exception

Daemon Threads

t₀ t₁ t₂
typing autocorrection spellchecking

Steps involved in building daemon thread:

→ we need to write the logic of the daemon thread within an infinite loop

→ we need to set the daemon status as true
ex: `t.setDaemon(true)`

→ we need to set the priority of daemon thread low

Notes

1. All the threads which start their execution, when the application is started & stop their execution once application is closed
2. daemon threads are always considered as helper threads, because these threads would be supporting for some other threads in the same application
3. daemon threads execute on the background

examples

1. garbage collector is daemon thread in Java

2. In eclipse IDE:

- 1. auto compilation
 - 2. suggesting
- } daemon threads

4. The program exists when all the stacks of the non-daemon threads are destroyed [memory mapping]

5. Even if some stacks of daemon threads are executing, the JVM will not wait till they complete their execution

