# CoreJava Multi-Threading

Important keywords used in Java multi-threading programming.

* Thread class
* Runnable interface

Q. How to create Threads ?  
Ans - There are 2 ways to create thread,

* By extending Thread class
* By implementing Runnable interface

Q. What happens when you start a Thread twice ?  
Ans - We get IllegalThreadStateException when we start a Thread twice.

Q. Explain join() method.  
Ans - The join() method waits for a thread to die. In other words, it causes the currently running threads to stop executing until the thread it joins with completes its task.

Important notes about variables in context of Thread :-

* Local variables are stored in Thread's stack
* However any object which we create using new keyword is stored on heap
* So anything stored in heap is shared across thread.
* And anything stored in Thread's stack is not shared across stack

Loook at these words - Thread interference, Race Condition