

Homework 11.1

- In this program, we are creating 3 different threads namely: `at4_0`, `at4_1` & `at4_2`.
- These 3 threads have some string "info" associated to them
 - `at4_0` → first
 - `at4_1` → second
 - `at4_2` → third
- In line 22, when we call the `at4_0.start()`, the thread is now ready to run. But before executing, it checks the next line of execution, i.e. line 23.
- Since line 23 directly calls the `run()` method, the `run` method for `at4_1` is executed first.
- Now, the thread `at4_0` is in the runnable state and the scheduler proceeds with the execution of this thread.
- Since, line 23 directly calls the `run()` method, the line 24 will not be executed unless and until thread `at4_1` is terminated.
- The `sleep()` method puts a particular thread in the waiting state for a specified amount of time.
- Once `at4_1` is terminated, the scheduler will now begin the execution of the thread `at4_2`.

Possible Outputs :

① second --> first <-- first <-- second <-- third --> third <--	② second --> first <-- second <-- first <-- third --> third <--	③ second --> first <-- second <-- third --> first <-- third <--	④ second --> first <-- second <-- third --> third <-- first <--
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