Multi Threading And Multi Processing

1. Program
2. Process
3. Threads
4. Examples of Process And Thread.

① Program ⟶ A program is a sequence of Instructions written in Programming language [Eg: Python, C++]

Eg: Google Chrome → .exe ← Program ⟶ Browser should work.

Word

Excel

② Process : A process is simply an instance of a program that is being executed

Eg : Browser

Excel → process → Id

App → Process.

Separate Memory Space

* One process cannot corrupt another process

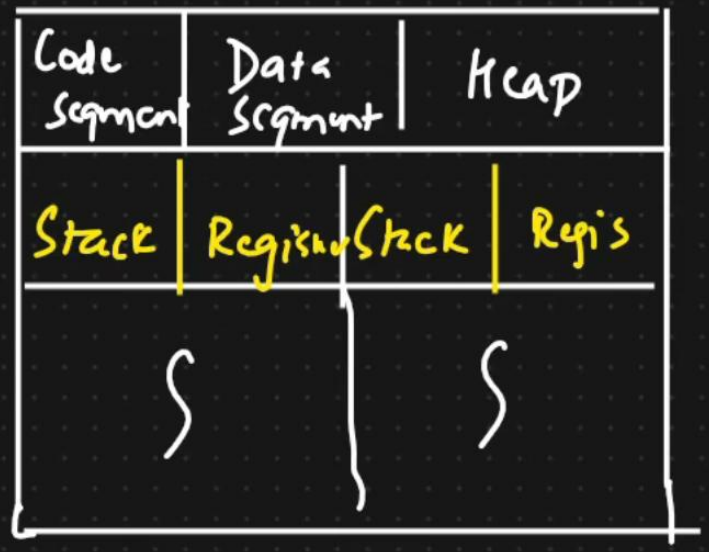
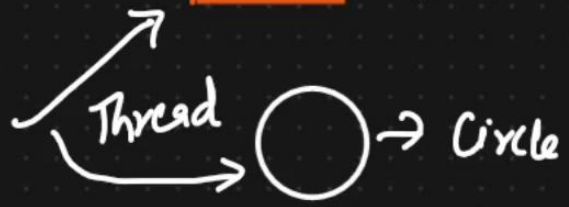
* I/O Requirements [Resource]

* → Intervalid execution time to switch between processes.

③ Thread → A thread is a unit of execution within a process

Single Threaded Process

Multi Threaded Process



Eg: MS PAINT → → Box