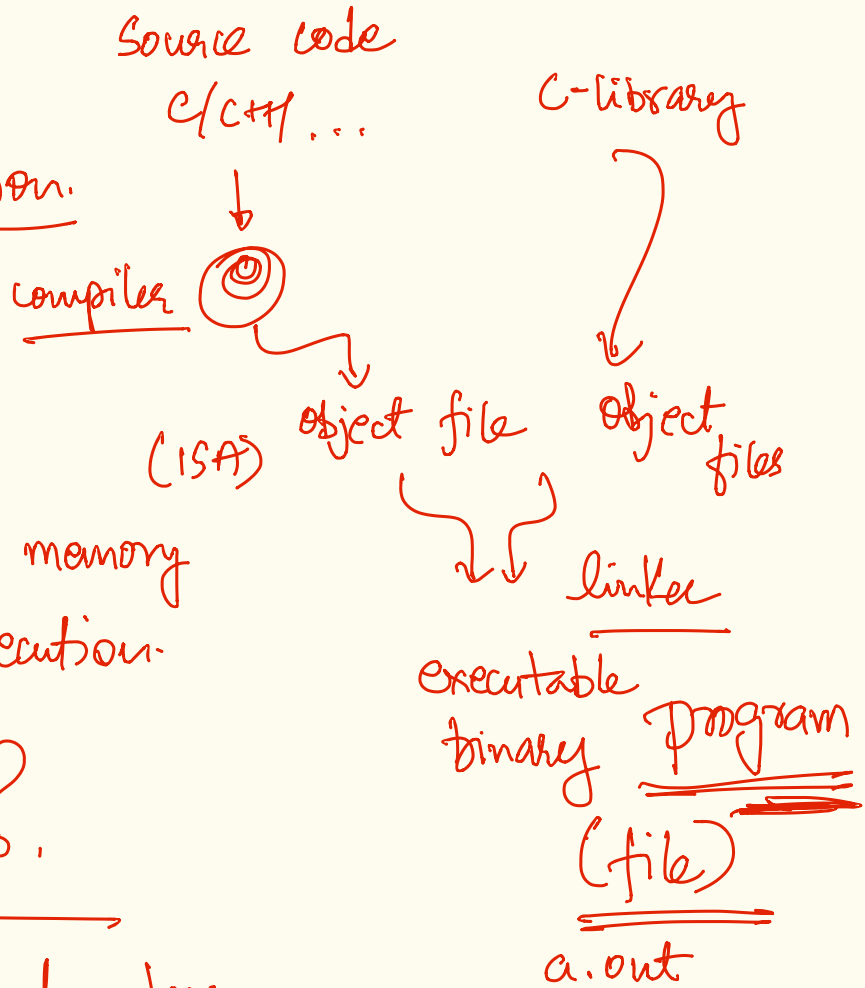


recap: interval timer, virtualization, privileged modes, interrupts, interrupt handler.

⊗ process

- a program in execution.
- an instance of a (live) program.
- a program loaded in memory and setup for execution.



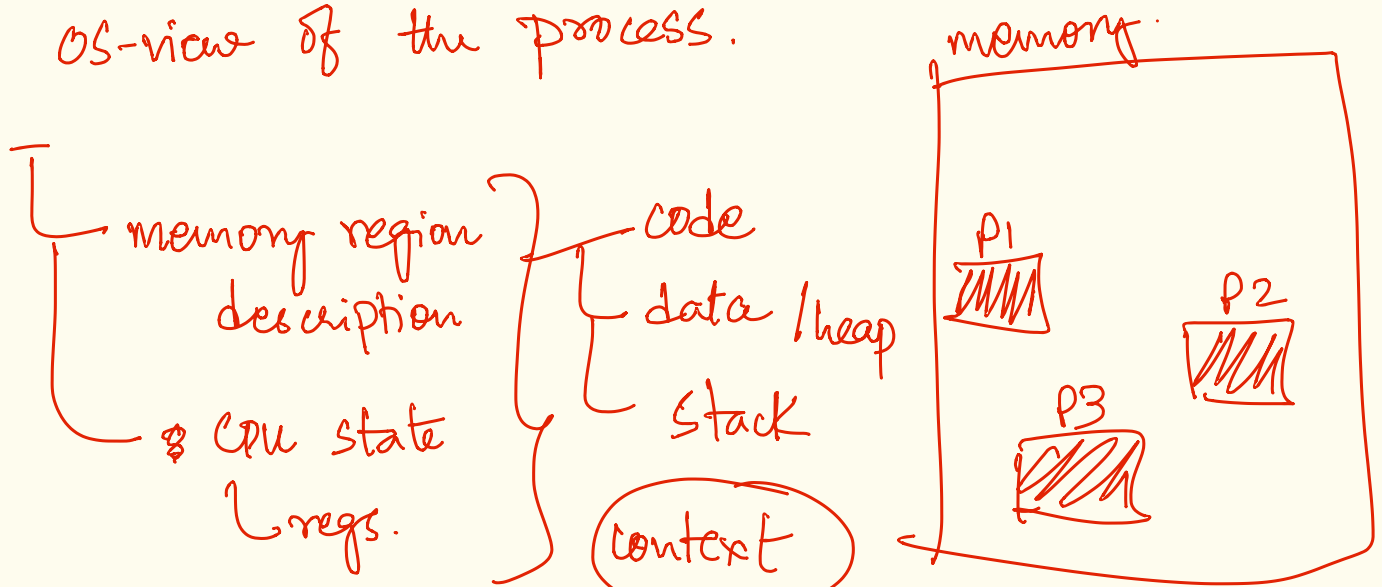
→ why a process?

(i) every execution setup has several common actions reqd.

(ii) allows users to be decoupled from program setup & execution.

Q) what is a process for the OS?

OS-view of the process.



Q) context-save  
↳ restore  
during "scheduling".

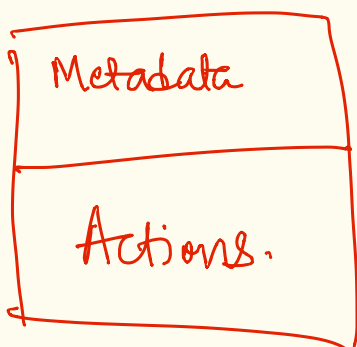
↳ per execution entity  
(per process).

# every OS abstraction, the OS

(i) maintains meta-data/information about  
the abstraction.

(ii) performs actions using the metadata.

scheduling, alloc/dealloc / loading program ...



two-box view