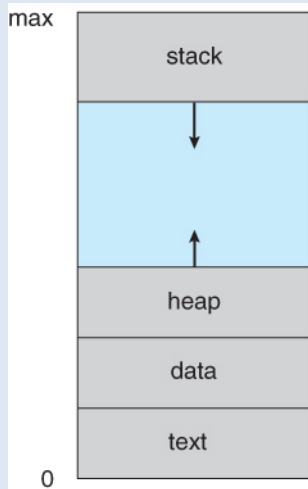


Program Vs. Process MMAP

- Program has
 - text/code
 - data: global/static/constant (init + uninit) and local (to methods)
- These take different locations in process memory map



Stack: local variables + arguments [rw]

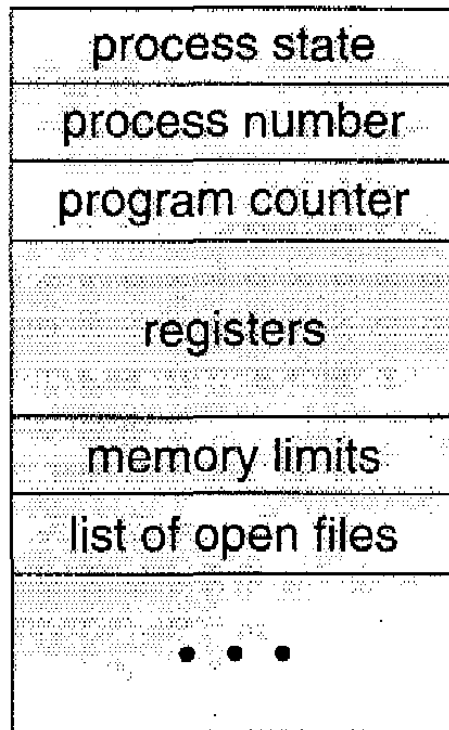
Heap: dynamic variables (get created at R/T) [rw]

Data: init + uninit [rw]

Text: machine code [wo]

Process Control Block

- Process is represented in the OS as Process Control Block (PCB)



Process State: state from PSTD

Process number: ID

Program Counter: PC value

Registers: CPU's SPR, GPR, etc

Memory Limits: base and limit
register values

Open files: open files during the
course at a PP

