Mohammad Mostafaee 9432181

# What is inside PCB?

* **Process scheduling state**: Ready, suspended, etc.
* **Process structuring information:** Process children id’s, other related processes id’s
* **Inter-process communication information:** Flags, Signals.
* **Process Privileges:** Access to system resources.
* **Process State:** New, ready, running, waiting, dead.
* **Process Number (PID)**
* **Program** **Counter (PC)**
* **CPU Registers**
* **CPU Scheduling Information**
* **Memory Management Information:** Page table, memory limits.

# What happen when you double click on a exe on windows?

* Loads the file into the memory
* Reads the relocation table to determine the addresses in the file
* Then it creates a list of addresses pointing to the command line argument.
* Then it pushes the address of the first command line to the stack
* Then it pushed the number of arguments to the stack