

CS & IT ENGINEERING



Operating System

Process Management

DPP_01 Discussion Notes



By- Anjnee Bhatnagar



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#Q. In operating system, each process has its own?

- instruction*
- A Address space and global variables ✓
 - B Open files ✓
 - C Resources to be used
 - D All of the mentioned

[MCQ]



#Q. A process can be terminated due to?

- A Normal exit ✓
- B Fatal error ✓
- C Killed by another process ✓
- D All of the mentioned

[MCQ]

#Q.

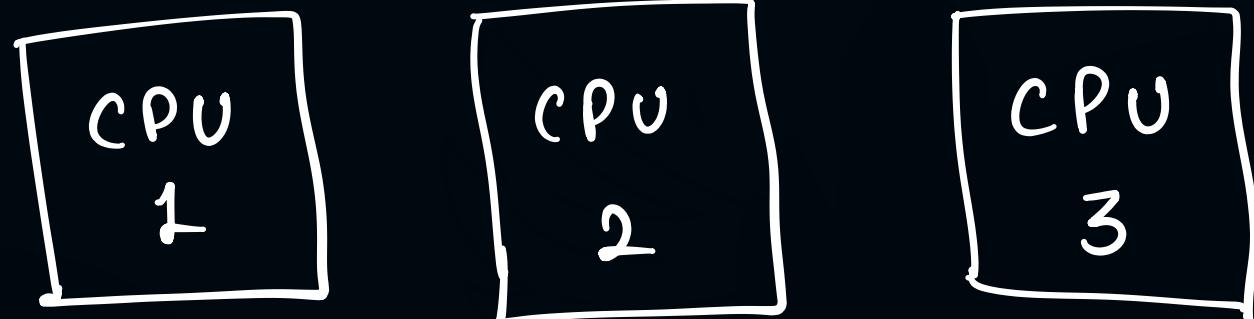
Consider a system with degree of multiprogramming as N and M number of CPUs (where $N \geq M$). Maximum number of processes possible in running state simultaneously is _____?

- A N
- B M
- C 1
- D 0



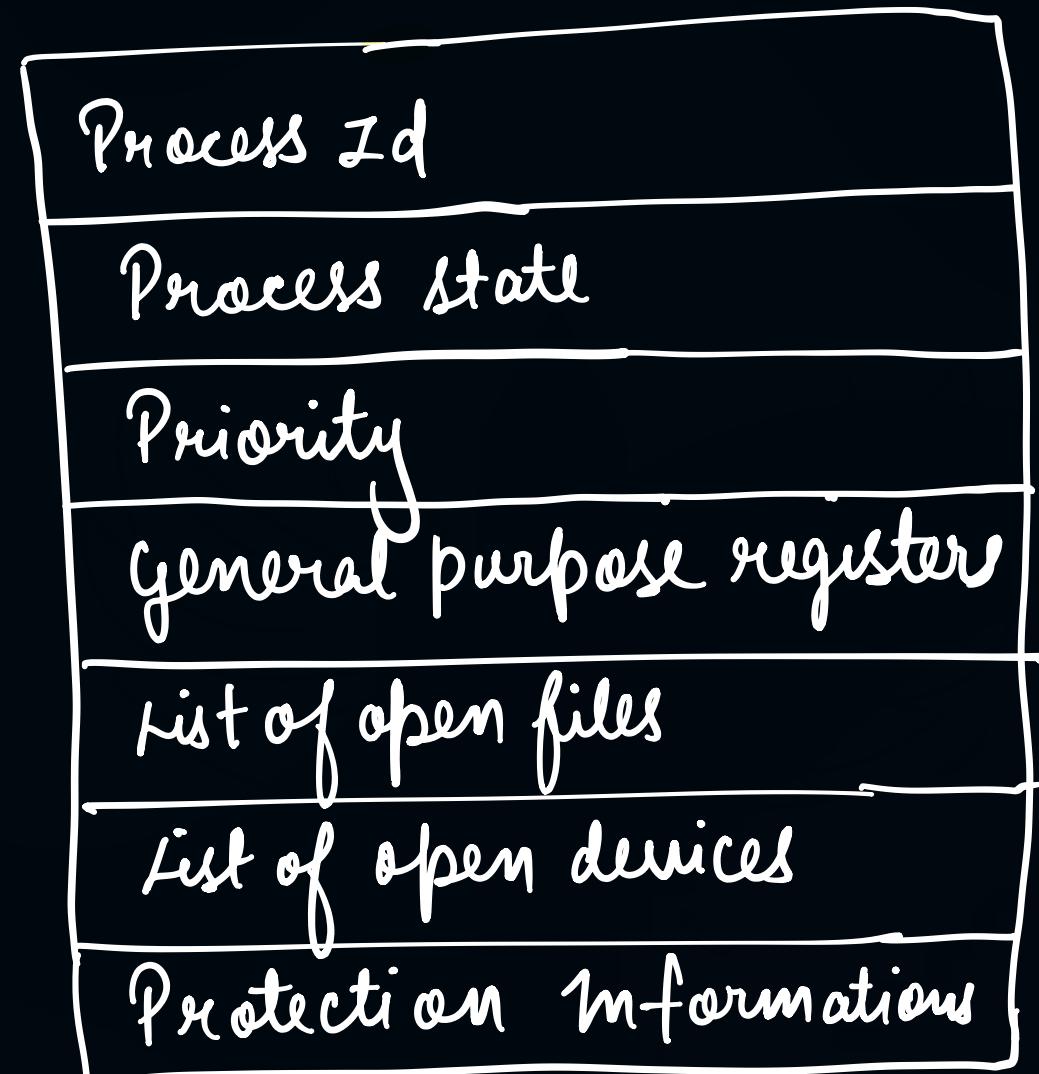
N processes

M = 3



#Q. A Process Control Block (PCB) does not contain which of the following?

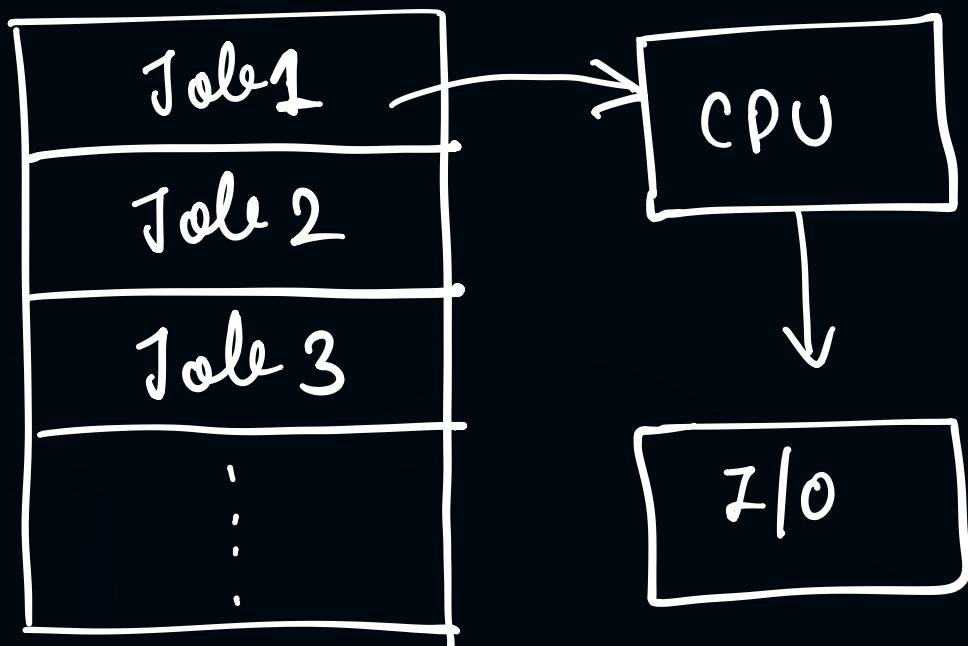
- A Process Code X
- B Stack X
- C Bootstrap program X
- D Process Data X



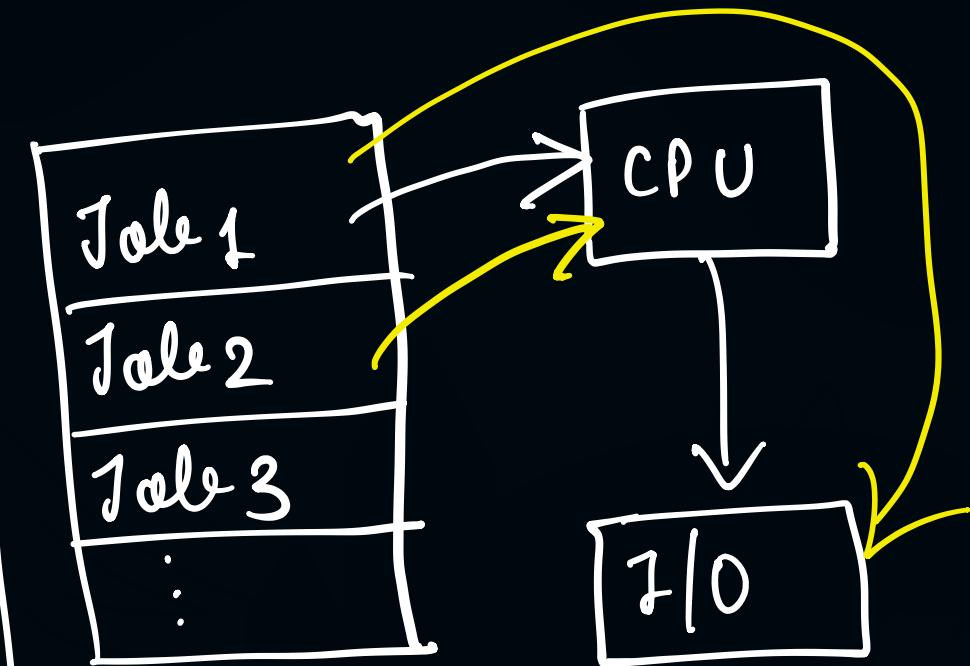
#Q. What is the objective of multiprogramming?

- A Have a process running at all time
- B Have multiple programs waiting in a queue ready to run
- C To decrease CPU utilization
- D None of the mentioned

uniprogramming .



Multiprogramming



#Q. The state of a process is defined by _____

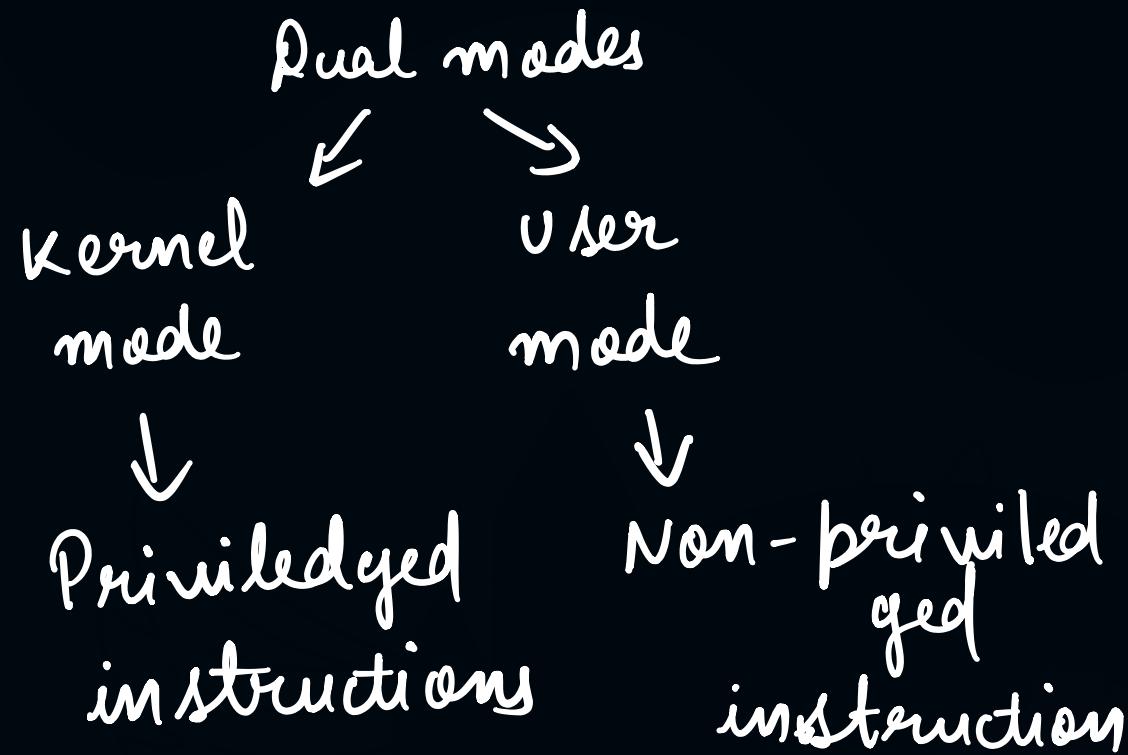
- A The final activity of the process X
- B The activity just executed by the process X
- C The activity to next be executed by the process X
- D The current activity of the process ~~(Correct Answer)~~

[MCQ]



#Q. Dual mode of operation is used in computer system to implement?

- A System protection
- B System security
- C System identification
- D System authentication



#Q. Which of the following type of Operating system was invented because one process was not able to keep the CPU and IO devices busy simultaneously?

- A Uniprogramming OS
- B Multiprogramming OS
- C Multiprocessing OS
- D Realtime OS



THANK - YOU