

CS & IT ENGINEERING



Operating System

Process Management

DPP Discussion Notes



By- Anjnee Bhatnagar Ma'am

[MCQ]



#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 _____?



N processes

$M=3$

A

N

B

M

C

1

D

0

CPU
1

CPU
2

CPU
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

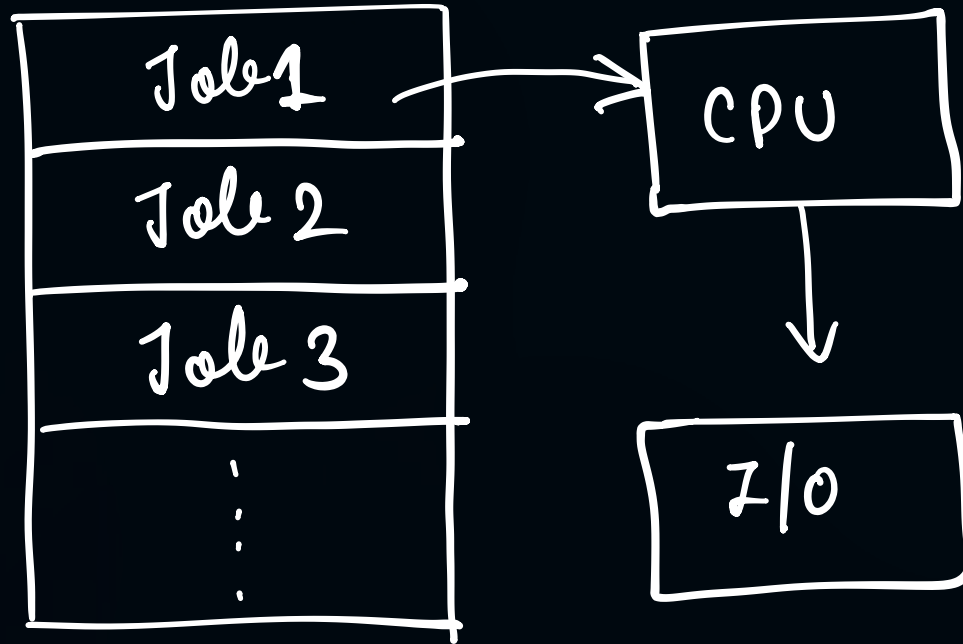
Process Id
Process state
Priority
General purpose registers
List of open files
List of open devices
Protection Informations

#Q. What is the objective of multiprogramming?

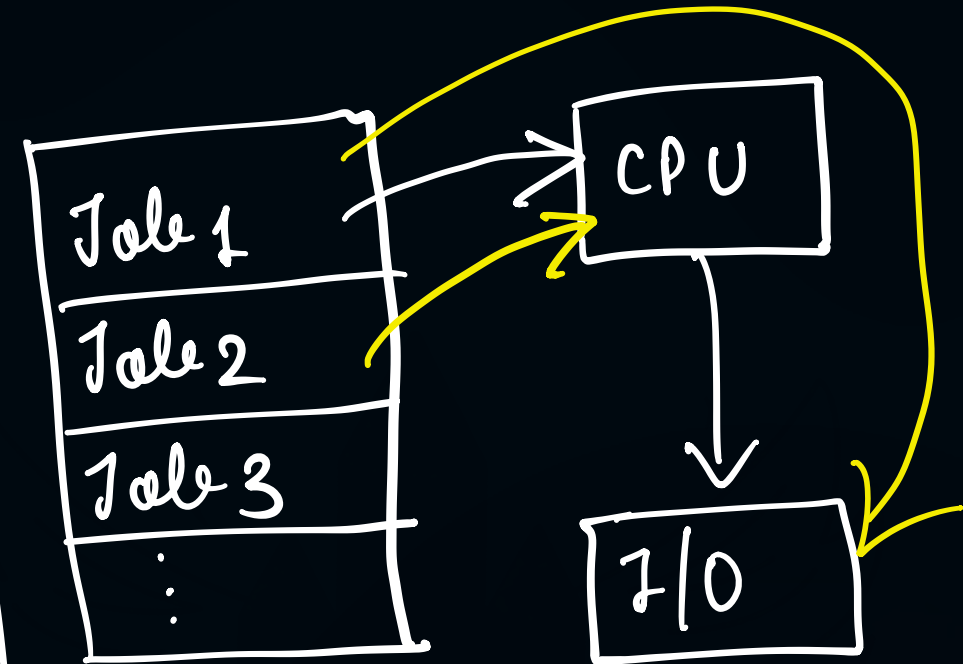
- ☐ A Have a process running at all time ✗
- ☒ B Have multiple programs waiting in a queue ready to run
- ☐ C To decrease CPU utilization ✗
- ☐ D None of the mentioned

uniprogramming .

↓ .



Multiprogramming

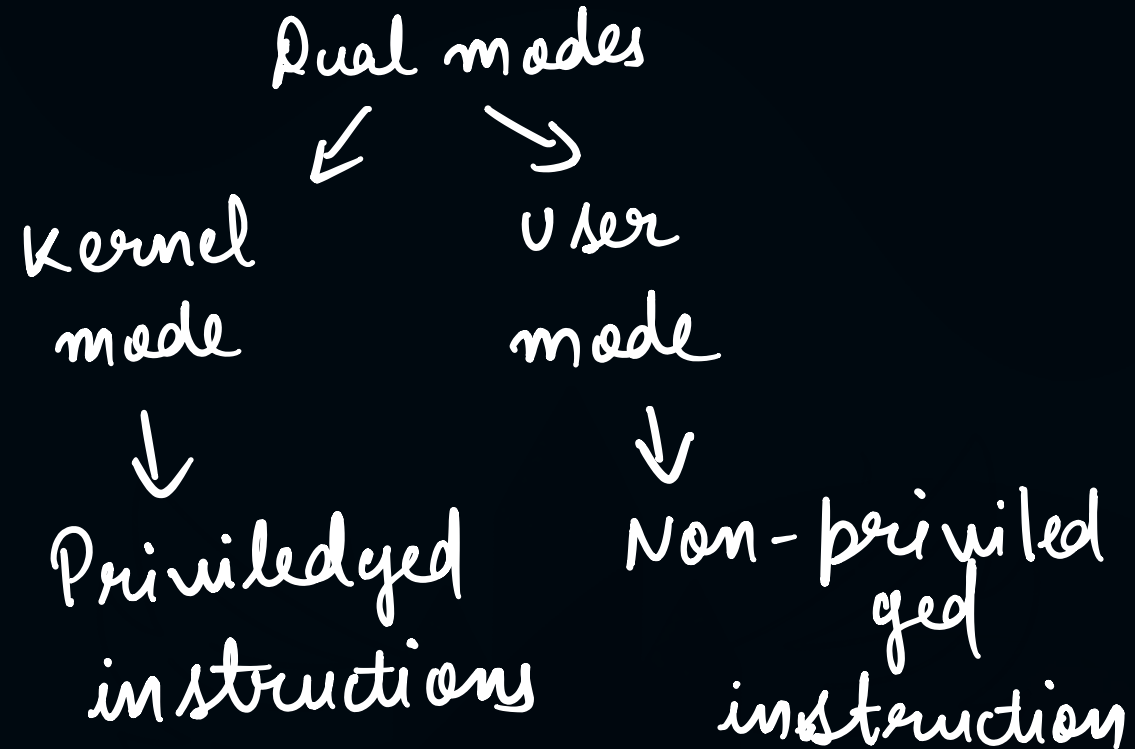


#Q. The state of a process is defined by _____

- ☐ A The final activity of the process ✗
- ☐ B The activity just executed by the process ✗
- ☐ C The activity to next be executed by the process ✗
- ☒ D The current activity of the process

#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