



Dipak Thanki 1 min

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



Dipak Thanki 1 min

Typically, ..... is on an individual block basis where each block contains a pointer to the next block in the chain.

[A].

Variable allocation

[B].

Indexed allocation

~~[C].~~

~~Chained allocation~~

[D].

Contiguous allocation



Dipak Thanki    Now

The semaphore variable which is having only 0 or 1 value is known as \_\_\_\_\_

[A].

General semaphore

[B].

Binary semaphore

[C].

Strong semaphore



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The number of processes completed per unit time is known as \_\_\_\_\_.

[A].

Output

[B].

Throughput

[C].

Efficiency

[D].

Capacity



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The main function of the command interpreter is:

[A].

to get and execute the next user-specified command

[B].

to provide the interface between the API and application program

[C].

to handle the files in operating system

[D].

none of the mentioned



Dipak Thanki 1 min

Under multiprogramming, turnaround time for short jobs is usually \_\_\_\_\_ and that for long jobs is slightly \_\_\_\_\_

[A].

Lengthened; Shortened

[B].

Shortened; Lengthened

[C].

Shortened; Shortened

[D].

Shortened; Unchanged



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The register context and stacks of a thread are deallocated when the thread

~~[A].~~

Terminates

[B].

Blocks

[C].

unblocks

[D].

spawns



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The decision mode in which process can not be interrupted in between is known as :

[A].

Preemptive scheduling

[B].

Non Preemptive Sceduling

[C].

Both A and B

[D].

None of the mentioned





Dipak Thanki    Now

The time taken to move the disk arm to the desired cylinder is called the \_\_\_\_\_

[A].

positioning time

[B].

random access time

~~[C].~~

seek time

[D].

rotational latency



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To ensure that deadlocks never occur, the system can use 1) deadlock prevention scheme 2) deadlock-avoidance scheme 3) deadlock-detection scheme 4) deadock-recovery scheme

[A].

1,2

[B].

1,2,3

[C].

3,4

[D].

1,2,3,4



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To avoid deadlock \_\_\_\_\_

[A].

there must be a fixed number of resources to allocate

[B].

resource allocation must be done only once

[C].

all deadlocked processes must be aborted

[D].

inversion technique can be used



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The processes that are residing in main memory and are ready and waiting to execute are kept on a list called:

[A].

Job queue

[B]

Ready queue

[C].

Execution queue

[D].

Process queue



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The strategy of making processes that are logically runnable to be temporarily suspended is called \_\_\_\_\_

[A].

Non pre-emptive scheduling

~~[B].~~

Pre-emptive scheduling

[C].

Shortest job first

[D].

First come First served



Dipak Thanki 1 min

The technique in which logical address is converted into physical address is known as

[A].

address foundation

[B].

address translation

[C].

address generation

[D].

none of the mentioned



Dipak Thanki 1 min

The portion of the process scheduler in an operating system that dispatches processes is concerned with \_\_\_\_\_

[A].

assigning ready processes to CPU

[B].

assigning ready processes to waiting queue

[C].

assigning running processes to blocked queue

[D].

all of the mentioned



Dipak Thanki 1 min

The Termination of the process terminates

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[A].

first thread of the process

[B].

first two threads of the process

~~[C].~~

all threads within the process

[D].

no thread within the process





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The systems which allow only one process execution at a time, are called \_\_\_\_\_

[A].

multiprogramming systems

~~[B].~~

uniprocessing systems

[C].

unitasking systems

[D].

none of the mentioned



Dipak Thanki    Now

The semaphore in which the process removal order from the blocked queue is fixed is called \_\_\_\_\_

[A].

Strong semaphore

[B].

Weak semaphore

[C].

Binary semaphore

[D].

none of the mentioned



Dipak Thanki 1 min

Which one of the following is not true?

[A].

kernel is the program that constitutes the central core of the operating system

[B].

kernel is the first part of operating system to load into memory during booting

~~[C].~~

kernel is made of various modules which can not be loaded in running operating system

[D].

kernel remains in the memory during the entire computer session



Dipak Thanki 1 min

The essential content(s) in each entry of a page table is / are

[A].

Virtual page number

[B].

Page frame number

[C].

Both virtual page number and page frame number



What is Cyber Security?

[A].

Cyber Security provides security against malware

[B].

Cyber Security provides security against cyber-terrorists

[C].

Cyber Security protects a system from cyber attacks

[D].

all of the mentioned





Dipak Thanki 4 min

\_\_\_\_\_ refers to the logical structuring of records.



[A].

File organisation

[B].

Structural organisation

[C].

Physical organisation

[D].

Logical organisation



Dipak Thanki 5 min

Because the kernel thread management is done by the Operating System itself

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[A].

kernel threads are faster to create than user threads



[B].

kernel threads are slower to create than user threads

[C].

kernel threads are easier to manage as well as create than user threads

[D].

none of the mentioned



Dipak Thanki 6 min

\_\_\_\_\_ is a unique tag, usually a number identifies the file within the file system.

[A].

File type

[B].

File name



[C].

File identifier

[D].

None of the mentioned