

# Operating Systems

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
_____ are different kind of programs written in various languages to solve the computing problems of users.	Application Program	System Program	Control Program	Basic Program
_____ provides the basic computing resources. It consists of the CPU, the Memory, the I/O devices.	The User	The Operating System	The Hardware	The Application Program
The operating system should be designed to assure that all available resources like _____, _____ are used efficiently	CPU time	I/O device	Both 1 & 2	Only 1
Communication facility between the client program and the various services that are also running in user space is also provided by_____ approach.	Micro Kernel	Layered	Simple	Modules
Process is an_____	Active entity	Passive entity	Procedure	Function
The _____ Process that spends more of its time doing I/O than it spends doing same computations	I/O bound Process	CPU bound Process	dependant process	Independent Process
Main function of shared memory is _____	Use primary memory efficiently	Intraprocess communication	Interprocess communication	Message Passing
A Program in execution is called-----	Process	instruction	procedure	function
which system call is used to replaces the current process image with new process images	fork()	waitpid()	execlp()	exit()
_____ system call is used normally after a _____ system call.	fork(),execlp()	execlp(),fork()	fork(),waitpid()	exec(),wait()

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A Process terminates when it finishes executing its last statement and asks operating system to delete it using _____ system call	waitpid()	exit()	exec()	exclp()
A Process which cannot affect or cannot be affected by any other process executing in the system is called as _____	Independent Process	co-operating Process	I/O bound Process	CPU bound Process
A process which can affect or can be affected by any other process executing in the system is called as _____	co-operating process	I/O bound Process	CPU bound process	Independent Process
_____ need IPC mechanism to exchanged data and information.	co-operating process	I/O bound Process	CPU bound process	Independent Process
_____ is a regin of memory that is shared by co-oprating process is established .	shared memory	message passing	communication model	message model
_____ is a communication takes place by means of messages exchanged between the co -operating process.	shared memory	communication model	message passing	Network model
which state of a process defined "The process being created"	New	Running	Ready	Waiting
which state of a process defined "instruction are being executed"	New	Running	waiting	Ready
As a process execute,it changes state.the state of a process is defined in part by the current activity of that process.A process may be in one of the following states. 1.New 2.Running 3.Waiting 4.Ready 5.Terminated	1,2	1,2,3	1,2,3,4	1,2,3,4,5

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_____ are supported directly by the operating system.	user threads	Kernel threads	Pthreads	M -Threads
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