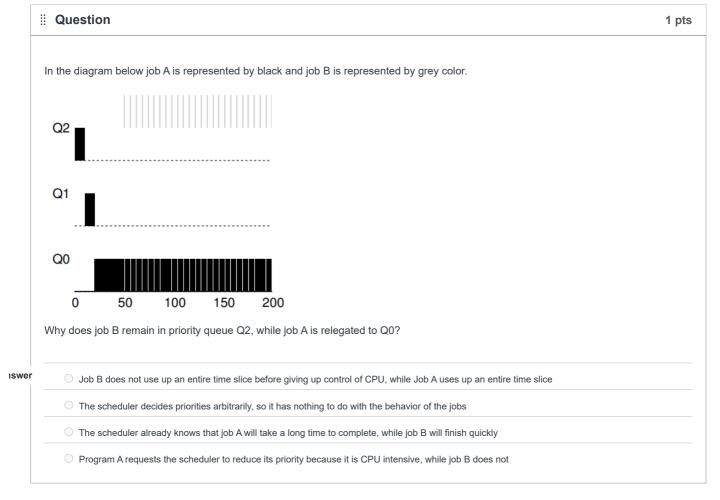
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	Points	8	Published
	etails Questions		
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	<b>⊞ Question</b>		1 pts
	Which of the following is NOT a function of the kernel mode in a processor?		
swer	Running application programs.		
	<ul> <li>Accessing and managing system resources, such as memory, CPU time, and I/O devices.</li> </ul>		
	Providing system services to user-mode programs, such as file I/O and networking.		
	Scheduling and executing processes.		
	iii Question		1 pts
swer	"Limited Direct Execution" is the idea that we run a program directly on the processor to ensure execution at full spethis direct execution. What are the limitations that we impose on the program?	ed.	But we "limit"
SWEI	O the program does not have unrestricted access to system resources		
	only a limited portion of the program is loaded in the processor		
	only a fraction of program data is loaded into the processor		
	on a limited address space is allocated to the program in the main memory		
	iii Question		1 pts
	A job is queued for processing at t=9ms. Its execution began at t=12ms. And it got completed at t=22ms. Then:		
swer	turnaround time = 13ms, response time = 3ms		
	turnaround time = 10ms, response time = 3ms		
	turnaround time = 3ms, response time = 10ms		
	○ turnaround time = 3ms, response time = 13ms		
_			
	<b>Question</b>		1 pts

Suppose in an STCF scheduler, the queue is initially empty. Then:

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Job A arrives at t=0 and is 100ms long. Job B arrives at t=90ms and is 8ms long. Job C arrives at t=94ms and is 5ms long. The order of completion of these jobs is: B completes first, then C, then A ıswer O A completes first, then B, then C B completes first, then A, then C A completes first, then C, then B O C completes first, then B, then A O completes first, then A, then B **Question** 1 pts Which statement about RR and STCF schedulers is true? ıswer O STCF optimizes turnaround time, RR optimizes response time O STCF optimizes response time, RR optimizes turnaround time STCF and RR both optimize response time STCF and RR both optimize turnaround time



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	iii Question	1 pts
	Suppose you wrote a program for a mini-shell. How do you execute a program from the shell and return back to the prompt after execution is complete?	
swer	Use fork() to create a child process, use exec() in child process to run the program, and use wait() in parent for the child to finish	
	Use exec() to create a child process, use fork() in child process to run the program, and use wait() in parent for the child to finish	
	Use fork() to create a child process, use exec() in parent process to run the program, and use wait() in child for the child to finish	
	Use exec() to create a child process, use fork() in parent process to run the program, and use wait() in child for the child to finish	
	iii Question	1 pts
		<b>⊗</b> ×
	For output redirection to a file the following code can be used:	
	<pre>close(STDOUT_FILENO); open(filename, O_CREAT   O_WRONLY   O_TRUNC, S_IRWXU);</pre>	
	Which of the following statements is NOT true.	
swer	There are special flags open() system call that tell the OS to make this filename as the new STDOUT	
	Closing STDOUT_FILENO releases the file-descriptor to be used by other files	
	The file opened by the open() command assigns the file-descriptor STDOUT_FILENO to the newly opened file	
	All system calls used for printing data to the console use STDOUT_FILENO file-descriptor by default	
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