



Announcements

About the Course

Ask a Question

Mentor **Progress**

1 point

Unit 5 - Wee

NPTEL » Operating System

ourse outline	Assignment 4	
w does an NPTEL online urse work?	The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	9 IST.
ek 1		
2	 When using segmentation(without paging) in x86, average number of memory accesses per virtual memory access is closest to). 1 poin
	○1 ○2	
	O3	
	O 4 No, the answer is incorrect	
rap Handlers	No, the answer is incorrect. Score: 0	
Data Structures, y Management	Accepted Answers: 1	
ntation Review, ction to Paging	2) Which of the following are true?	1 poin
ssignment 4	☐ lidt is a privileged instruction.	
eedback Form	□ IDT lives in the kernal address space.	
	☐ Igdt is a privileged instruction. ☐ Every process has its own GDT	
	No, the answer is incorrect.	
	Score: 0 Accepted Answers:	
	lidt is a privileged instruction. IDT lives in the kernal address space.	
	Igdt is a privileged instruction.	
	Every process has its own GDT	
	3) Consider a process executing on an operating system that uses demand paging. The average time for a memory access in the system is M units if the corresponding memory page is available in memory, and D units if the memory access causes a page fault. It has been experimental measured that the average time taken for a memory access in the process is X units?	
	average time taken for a memory access in the process is X units? $\bigcirc (D - M) / (X - M)$	
	$\bigcirc (X - M) / (D - M)$	
	$\bigcirc (D-X)/(D-M)$	
on	○ (X – M) / (D – X)	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: $(X - M) / (D - M)$	
	No, the answer is incorrect. Score: 0 Accepted Answers: 2 MB 5) When process traps in the user space, the operating system notifies the corresponding interrupt handler. And in doing so the control first has to be shifted from user to kernel space after saving the current program counter and other necessary information on s	1 poin
	Which stack can be used for this? User stack	
	O Kernel stack	
	Either can be used	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: Kernel stack	
	6) If an Operating system provides 32 system calls. How many entries does IDT(Interrupt Descriptor Table) have for these system	calls?
	No, the answer is incorrect.	
	Score: 0 Accepted Answers:	
	(Type: Numeric) 1	
	7) When interrupt occurs during privileged which of the following registers have consistency guaranteed by hardware across interrupt handling?	1 poin
	EFLAGS	
	CS SID	
	□ EIP □ ESP	
	No, the answer is incorrect.	
	Score: 0 Accepted Answers:	
	EFLAGS CS	
	EIP	
	8) What are the advantages of Page Table over Segmentation.	1 poin
	Solves external fragmentation.	
	Easy process memory growth.	
	Smaller page table size over segmentation table.	

Bigger virtual memory size

Easy process memory growth.

9) Every address generated by the CPU is divided into two parts. They are?

No, the answer is incorrect. Score: 0

Bigger virtual memory size

frame bit & page number

opage offset & frame bit

No, the answer is incorrect.

page number & page offset

Accepted Answers:

Score: 0

opage number & page offset

frame offset & page offset

Accepted Answers: