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① Students have either already taken or started taking this quiz, so take care when editing it. If you change any quiz questions in a significant way, you might want to consider re-grading students' quizzes who took the old version of the quiz.

Points 8 Published

Details

Questions

✓ Show question details



Question		1 p
Considering the following 3072 map to? OKB 1KB Program Code	basic process address space with three segments (code, heap and stack), where will the virt	ual address of
3KB 4KB		
5KB Heap	Comment Page Cine	
6KB	Segment Base Size Code 32K 2K Heap 34K 2K Stack 28K 2K	
(tree)	Segment Register Values	
14KB		
15KB Stack		
	address.	

Heap segment

Stack segment

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	Question		11	pts
	Assuming the follow	wing segments info	rmation is given to you.	
	MSB Values	Segment]	
	00	Code		
	01	Heap		
	11	Stack		
	Which segment doe	es the virtual addre	ess 136 belong to?	
ver	Code segmen	nt		
	Heap segmer	nt		
	Stack segment	nt		
	O Its not a valid	virtual address.		
	Question		11	pts
	MSB Values	Segment Code		
	00	Code		
	01	Heap		
	11	Stack		
	Which is the value	of offset for the virt	ual address 136 ?	
/er	00001000100	00		
	00000010001	10		
	0 1000100000			
	Cannot be de	etermined.		
	Question		11	pts
	The main function s		the next instruction is being fetched using the program counter. The address of the instruction	
er	O Code segmen	nt		
	O Data segment			
	O Heap segmen			
	 Stack segment 	nt		
	:: Question		4.	nts

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er	Stack segment
	○ Code segment
	O Heap segment
	O Data segment
	iii Question
	Assuming a simple memory model with three 10 bytes memory allocations in memory at addresses 0 to 9, 10 to 19 and 20-29 respectively. All addresses are inclusive that means allocation includes the first and last address. The first memory allocation at addresses (0 to 9) is used so the free list contains the two memory allocations at addresses (10 to 19) and (20-29). What will be the total free memory in the free list after coalescing?
	O 20 bytes
	○ 30 bytes
	O 10 bytes
	Cannot be determined.
	iii Question 1
	Assuming you made a call to malloc(200). How many bytes will actually be allocated?
-	O 208
7	○ 208 ○ 200
r	