

Announcements

About the Course

Ask a Question

Mentor **Progress**

2 points

Unit 13 - Week 12

NPTEL » Operating System

Course outline	Assignment 12	
low does an NPTEL online ourse work?	The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due on 2020-04-22, 23:59 IST.
Veek 1		2 noi
eek 2	 xsyncfs (external synchrony) is useless when used with a Journaling Filesystem like ext3. True/False 	2 poir
eek 3	○ True	
	O False	
ek 4	No, the answer is incorrect. Score: 0	
¢ 5	Accepted Answers: False	
6	2) What is dangling pointer in C language?	2 poir
7	if pointer is pointing to a memory location from where variable has been deleted	
1	if pointer is assigned to more than one variable	
	if pointer is not defined properly none of above	
	No, the answer is incorrect.	
0	Score: 0 Accepted Answers:	
	if pointer is pointing to a memory location from where variable has been deleted	
	3) Consider a simple checkpointing protocol and the following set of operations in the log.	2 poir
ecovery and Logging		
ng in Linux ext3 tem	(start, T4); (write, T4, y, 2, 3); (start, T1); (commit, T4); (write, T1, (checkpoint);	z, 5, 7);
ction and Security	(start, T2); (write, T2, x, 1, 9); (commit, T2); (start, T3); (write, T3,	z, 7, 2);
uling Policies	If a crash happens now and the system tries to recover using both undo and redo operations, v	what are the contents of the undo
free multiprocessor ination, Read-Copy-	list and the redo list	vilat are the contents of the undo
ate	Undo: T3, T1; Redo: T2	
ernel, Exokernel, ernel	Undo: T3, T1; Redo: T2, T4Undo: none; Redo: T2, T4, T3; T1	
Assignment 12	Oundo: T3, T1, T4; Redo: T2	
2 Feedback Form	No, the answer is incorrect. Score: 0	
ent Solution	Accepted Answers: Undo: T3, T1; Redo: T2	
l Videos		
cripts	 During crash recovery (e.g., fsck), we can be sure that the inconsistencies in the filesystem data structure can on ensured in the following situations 	ly be of certain types. How is this 2 poil
Jon pio	Situation: Write-through buffer cache Solution: Ordering of writes. E.g., during create, the child should be created before updating parent pointer.	
	Situation: Write-back buffer cache Solution: Ordering of writes with soft updates. In this case, the cache is flushed to disk in update order as before. In operations is rolled back to remove cycle and applied later.	n case of cyclic dependency, one of the
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	Score: 0 Accepted Answers:	
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	before. In case of cyclic dependency, one of the operations is rolled back to remove cycle and applied	

5) On x86, the TLB gets flushed on each context-switch between two distinct VMs (on a VMM).

True/False

True

○ True

False

No, the answer is incorrect. Score: 0

Accepted Answers: