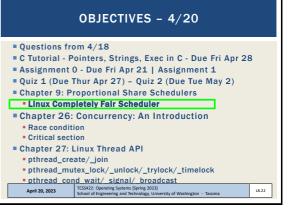
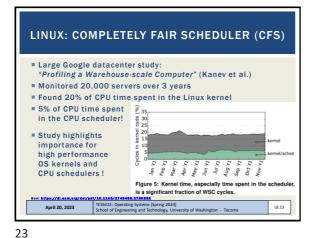
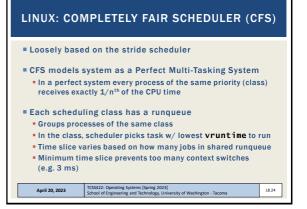


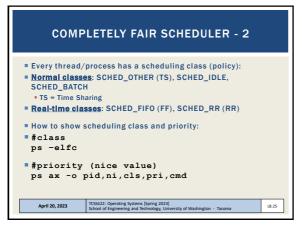
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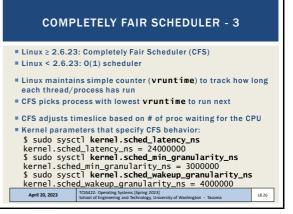




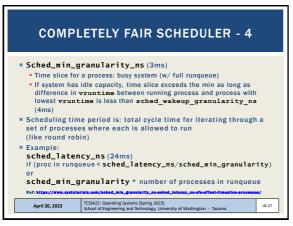




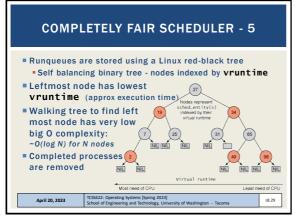




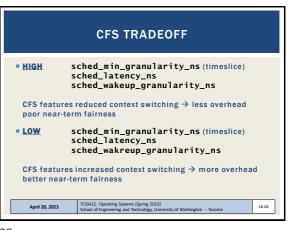
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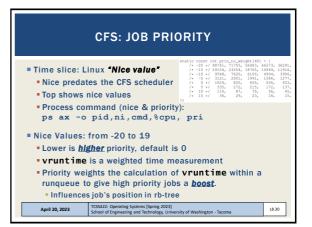


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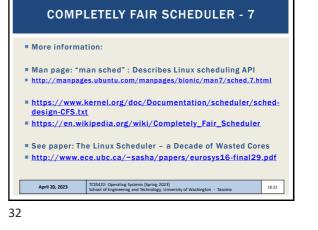






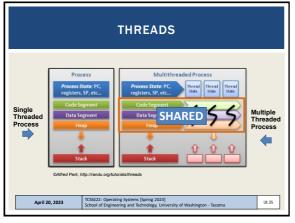




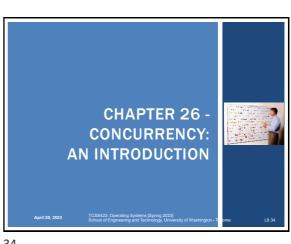


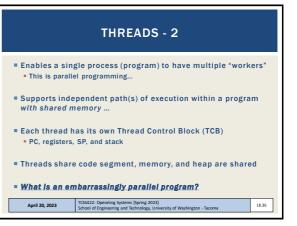
OBJECTIVES - 4/20 Questions from 4/18 C Tutorial - Pointers, Strings, Exec in C - Due Fri Apr 28 Assignment 0 - Due Fri Apr 21 | Assignment 1 Quiz 1 (Due Thur Apr 27) - Quiz 2 (Due Tue May 2) Chapter 9: Proportional Share Schedulers Linux Completely Fair Scheduler Chapter 26: Concurrency: An Introduction Race condition Critical section Chapter 27: Linux Thread API pthread_create/_join pthread_mutex_lock/_unlock/_trylock/_timelock pthread_cond_wait/_signal/_broadcast TCSS422: Op School of En April 20, 2023 L8.33 g and T

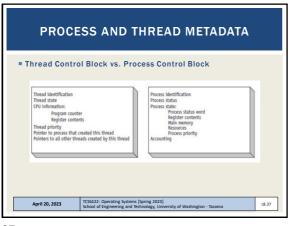
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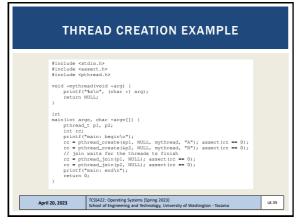


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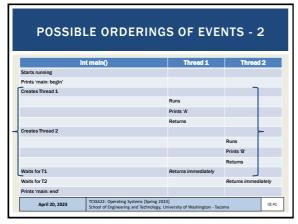




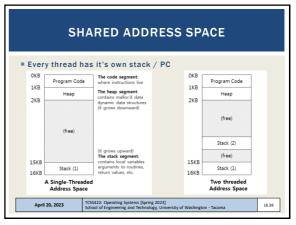




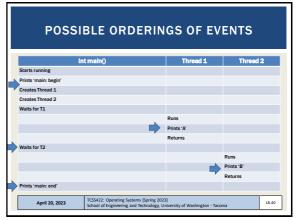
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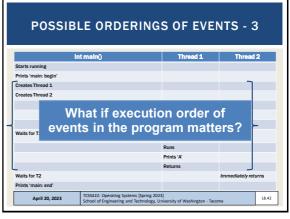


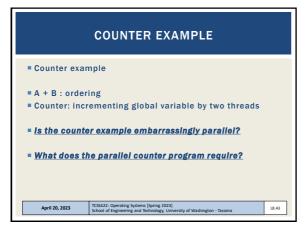
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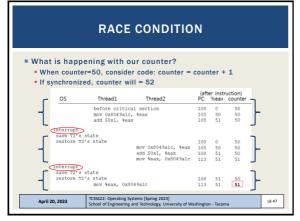




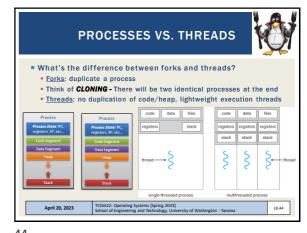




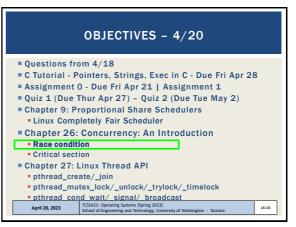


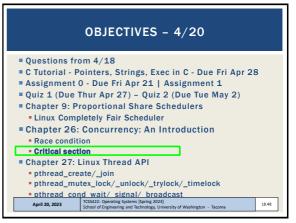


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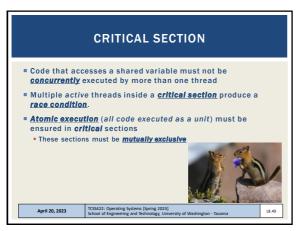


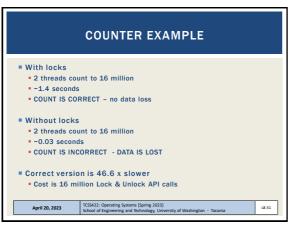
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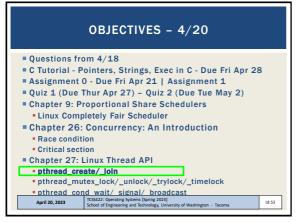




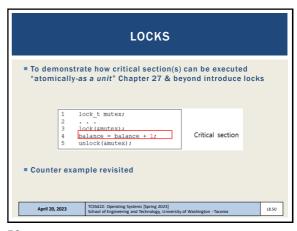




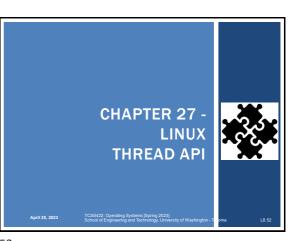
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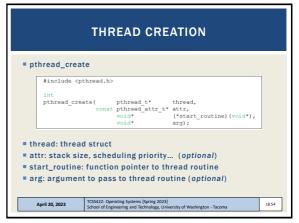


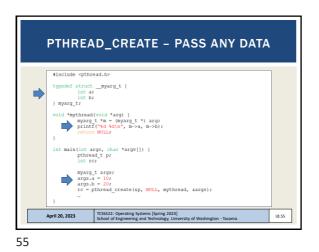
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 waiting for thread_t thread, void **value_ptr);

 int pthread_join(pthread_t thread, void **value_ptr);

 thread:
 which thread?

 value_ptr:
 pointer to return value type is dynamic / agnostic

 Returned values * must* be on the heap

 Thread stacks destroyed upon thread termination (join)

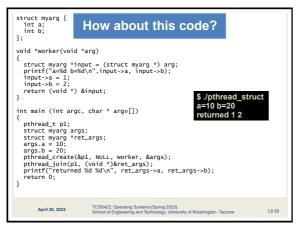
 Pointers to thread stack memory addresses are invalid

 May appear as gibberish or lead to crash (seg fault)

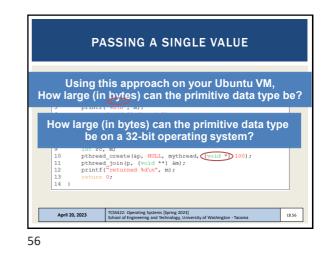
 Not all threads join - What would be Examples ??

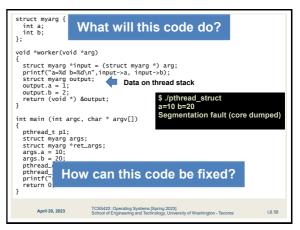
 April 20, 2023
 TSX22: Operating Systems [Spring 2031] Extend of Engineering and Technology, University of Washington - Tecoma

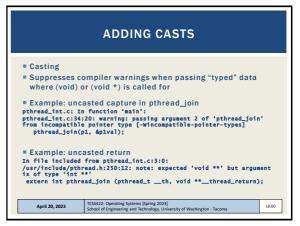
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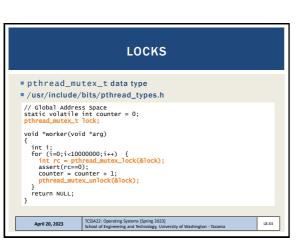








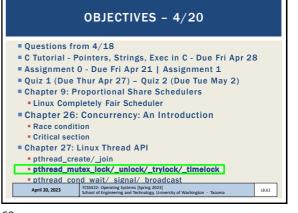
<pre>pthread_join</pre>		
int * p1val int * p2val		
	, n(p1, (void *) &p1val);	
pthread_join	n(p2, (void *) &p2val);	
■ return from th	and formation	
	erval = malloc(sizeof(int));	
*counterval		
	1 *) counterval;	
	• • • • • • • •	



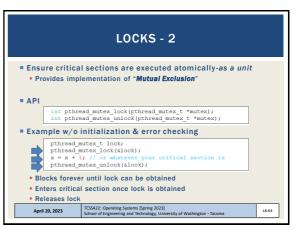
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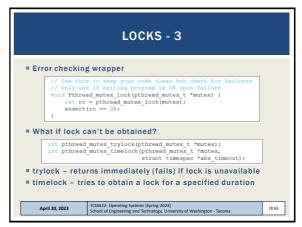


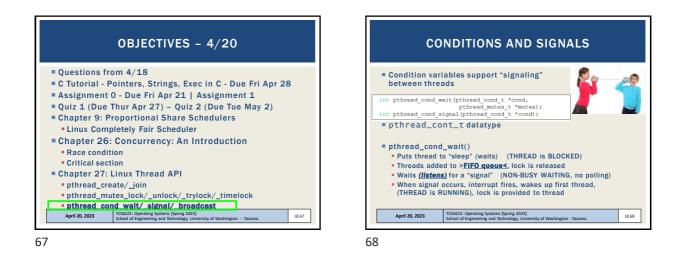
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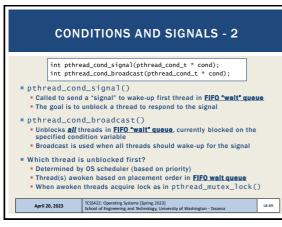


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