Review Test Submission: Homework-Ch4

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Course	2020Fall-EECS 678 Introduction to Operating Systems LEC
Test	Homework-Ch4
Started	10/7/20 2:47 PM LATE
Submitted	10/7/20 2:49 PM LATE
Due Date	10/7/20 2:00 PM
Status	Needs Grading
Attempt Score	0 out of 10 points
Time Elapsed	1 minute
Results Displayed	All Answers, Submitted Answers, Correct Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

True or False (1 point): The OS *protects* the address space of the parent thread from the address space of the child thread.

Selected Answer: ✓ False
Answers: True
✓ False

Question 2

1 out of 1 points

True or False (1 point): An *exit()* called from any thread will kill the entire process

Selected Answer: ✓ True
Answers: ✓ True
False

Question 3

1 out of 1 points

True or False (1 point): All asynchronous signal are always delivered to every thread in the process.

Selected Answer: False
Answers: True
False

Question 4

1 out of 1 points

True or False (1 point): A thread with *asynchronous* cancellation has no control over when and how it may be externally terminated.

Selected Answer: True
Answers: True
False

Question 5

1 out of 1 points

True or False (1 point): The system call *wait()* can be used by the main thread to wait for the child thread to exit.

Selected Answer: False
Answers: True
False

Question 6

3 out of 3 points

Answer 'T' for true and 'F' for false (upper-case and without quotes) (3 points):

While both *threads* and *processes* are "entities" that can enable multiple concurrent flows of control, creating *threads* is preferable to creating *processes* in the following situations:

(a) You require complete isolation and separation between the different entities -- [A]

(b) You require the entities to share much of the code and open files -- [B]

(c) You want to reduce the context switching overhead -- [C]

(d) You want the different entities to share the hardware context and register state - [D]

(e) You want to launch a new program in each entity -- [E]

(f) You want to reduce the overall memory consumption -- [F]

Specified Answer for: A F
Specified Answer for: B T
Specified Answer for: C T

Specified Answer for: D ✓ F

Specified Answer for: E ✓ F

Specified Answer for: F ✓ T

Correct Answers for: A		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	F	
Correct Answers for: B		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	T	
Correct Answers for: C		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	T	
Correct Answers for: D		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	F	
Correct Answers for: E		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	F	
Correct Answers for: F		
Evaluation Method	Correct Answer	Case Sensitivity
✓ *Exact Match*	T	

Question 7

2 out of 2 points

Answer 'T' for true and 'F' for false (upper-case and without quotes) (2 points):

The many-to-one multi-threading model has the following properties:

(a) does not need any (additional) support from the OS -- [A]

(b) can run the threads concurrently on different cores of a multi-core machine -- [B]

(c) one thread blocked (on I/O) blocks all other sibling threads --[C]

(d) requires separate stack space for each thread -- [D]

Specified Answer for: A ✓ T

Specified Answer for: B ✓ F

Specified Answer for: C ✓ T

Specified Answer for: D ✓ T

Correct Answers for: A		
Evaluation Method	Correct Answer	Case Sensitivity
Exact Match	T	
Correct Answers for: B		
Evaluation Method	Correct Answer	Case Sensitivity
Exact Match	F	
Correct Answers for: C		
Evaluation Method	Correct Answer	Case Sensitivity
Exact Match	T	
Correct Answers for: D		
Evaluation Method	Correct Answer	Case Sensitivity
Exact Match	T	

Wednesday, October 7, 2020 2:49:05 PM CDT

← OK