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NPTEL

Courses » Information security - IV

Announcements   **Course**   Ask a Question   Progress   Mentor

Unit 2 - Week - 0 Practice Quizzes

Course outline

Week - 0 Practice Quizzes

○ Quiz : OS Basics

Week - 1

Week - 2

Week - 3

Week 4

Week 5

Week 6

Week 7

Week 8

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OS Basics

The due date for submitting this assignment has passed.   **Due on 2018-02-15, 00:00 IST.**

Submitted assignment

Hello all,
    Please complete the below Quiz to refresh your OS basics.

1) Which one of the following is false about the operating system?   *2 points*

○ OS code base consists of a bit of assembly code

○ OS communicates with hardware devices directly
○ OS is independent of the hardware on which it executes
○ Timing plays a crucial role in an OS

No, the answer is incorrect.
Score: 0

Accepted Answers:
OS is independent of the hardware on which it executes

2) State True or False for the question related to system calls. An OS designer who is designing a network stack,   *2 points*

1. Exposes, to the User, the details of the protocol used to send the data.
2. Exposes, to the User, the interface to set the protocol used for sending the data.

○ 1- False 2 - True
○ 1- True 2- False
○ 1 - True 2-True
○ 1-False 2-False

No, the answer is incorrect.
Score: 0

Accepted Answers:
1- False 2 - True

3)   *2 points*
For a program running in privilege Ring 2, which one of the following is true regarding the privilege levels of programs that it can

○ Access: 1,2. No Access to :3,4

○ Access: 3,4. No Access to : 1,2
○ Access: 1. No Access to : 2,3,4
○ Access: 2,3,4. No Access to : 1

No, the answer is incorrect.
Score: 0

Accepted Answers:
Access: 2,3,4. No Access to : 1

4) Consider the following statements: *2 points*
   • 1. OS asks for Bob's password when logging in.
   • 2. Bob is denied access to write to a certain file, whereas he can read it.

○ 1 is Authentication whereas 2 is Isolation
○ 1 is Access Control whereas 2 is Authorization
○ 1 is Authentication whereas 2 is Authorization
○ 1 is Authorization whereas 2 is Authentication

No, the answer is incorrect.
Score: 0

Accepted Answers:
1 is Authentication whereas 2 is Authorization

5)   *2 points*
State True or False. In the absence of system calls, a user process can never access the memory allocated to kernel processes.

○ True
○ False

No, the answer is incorrect.
Score: 0

Accepted Answers:

True

End ▶

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