# Quiz 07

Thursday, 20 October 2022 11:32

**Assuming the absolute path name of a file is "/usr/peter/documents/os/lecture_slides.ppt" and the relative path name of the same file is "os/lecture_slides.ppt", the current working directory must be:**

Assuming the absolute path name of a file is "/usr/peter/documents/os/lecture_slides.ppt" and the relative path name of the same file is "os/lecture_slides.ppt", the current working directory must be:

- a. "/usr/peter"
- b. "/usr/peter/documents/os"
- c. "/usr/peter/documents" (selected)

**Assuming the current working directory is "/usr/peter/documents", the relative path name of the file "/usr/peter/documents/os/lecture_slides.ppt" is:**

Assuming the current working directory is "/usr/peter/documents", the relative path name of the file "/usr/peter/documents/os/lecture_slides.ppt" is:

- a. "documents/os/lecture_slides.ppt"
- b. "lecture_slides.ppt"
- c. "os/lecture_slides.ppt" (selected)

**Assuming the current working directory is "/usr/peter/documents", the absolute path name of the file "os/lecture_slides.ppt" is:**

Assuming the current working directory is "/usr/peter/documents", the absolute path name of the file "os/lecture_slides.ppt" is:

- a. "/os/lecture_slides.ppt"
- b. "/os/lecture_slides.ppt/usr/peter/documents"
- c. "/usr/peter/documents/os/lecture_slides.ppt" (selected)

**Protection bits of a file are set as "r - x r- x - - x" in a UNIX system. What are the permissions granted to the owner of this file?**

Protection bits of a file are set as "r - x r- x - - x" in a UNIX system. What are the permissions granted to the owner of this file?

- a. Read and Write
- b. Read and Execute (selected)
- c. Read only

**Protection bits of a file are set as "r w x r- x r - -" in a UNIX system. What are the permissions granted to the users who are in the owner's group?**

Protection bits of a file are set as "r w x r- x r - -" in a UNIX system. What are the permissions granted to the users who are in the owner's group?

- a. Read and Write
- b. Read and Execute (selected)
- c. Read, Write, and Execute

**If most of the files are accessed in a sequential manner, what is the file allocation method that would be most appropriate for allocating storage space for files in such a system?**

If most of the files are accessed in a sequential manner, what is the file allocation method that would be most appropriate for allocating storage space for files in such a system?

- a. Linked Allocation
- b. Indexed Allocation
- c. Contiguous Allocation (selected)

**Assuming data are updated frequently and accessed frequently in random order, what is the most appropriate file allocation method to optimize efficiency in terms of speed of access, use of storage space, and ease of updating?**

Assuming data are updated frequently and accessed frequently in random order, what is the most appropriate file allocation method to optimize efficiency in terms of speed of access, use of storage space, and ease of updating?

- a. Contiguous Allocation
- b. Indexed Allocation (selected)
- c. Linked Allocation

# Quiz 07

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**Disk block size may affect both performance and space utilization of a file system. What is the problem that may arise when the block size is very big?**

Disk block size may affect both performance and space utilization of a file system. What is the problem that may arise when the block size is very big?

- (●) a. Low disk space utilization
- ( ) b. Low data rate
- ( ) c. Both (a) and (b)

**Disk block size may affect both performance and space utilization of a file system. What is the problem that may arise when the block size is very small?**

Disk block size may affect both performance and space utilization of a file system. What is the problem that may arise when the block size is very small?

- ( ) a. Low disk space utilization
- (●) b. Low data rate
- ( ) c. Both (a) and (b)

**Some file systems use two block sizes for disk storage allocation in order to:**

Some file systems use two block sizes for disk storage allocation in order to:

- ( ) a. Improve disk space utilization
- ( ) b. Increase data rate
- (●) c. Both (a) and (b)

**Which of the following statement regarding symbolic and hard link is incorrect?**

Which of the following statement regarding symbolic and hard link is incorrect?

- (●) a. Symbolic link duplicates all information about a file in multiple directories.
- ( ) b. If a file has a symbolic link, it can be accessed using two absolute path names.
- ( ) c. Using either a symbolic or a hard link, a file can have different names.

Which of the following statement regarding symbolic and hard link is incorrect?

- (●) a. Accessing a file using hard link takes longer time than using symbolic link.
- ( ) b. Accessing a file using symbolic link takes longer time than using hard link.
- ( ) c. Using either a symbolic or a hard link, a file can have different names.

Which of the following statement regarding symbolic and hard link is incorrect?

- ( ) a. Using either a symbolic or a hard link, a file can have different names.
- ( ) b. If a file has a symbolic link, it can be accessed using two absolute path names.
- (●) c. Using hard link, rather than symbolic link, a file can have different names.