CSPB 3753 - Fall 2024 - Knox - Operating Systems

Started on	Saturday, 12 October 2024, 9:41 PM
State	Finished
Completed on	Saturday, 12 October 2024, 9:43 PM
Time taken	1 min 32 secs
Grade	**10** out of 10 (**100**%)

Question **1**

Correct

Mark 1 out of 1

What do humans use to organize information in a file system?

Select one:

○ a. boot partition

◉ b. directory structure   ✔

○ c. file metadata

○ d. file structure

○ e. directory metadata

Your answer is correct.

Question **2**

Correct

Mark 1 out of 1

What file operation is required to perform direct file access instead of sequential file access?

Select one:

- a. open()
- b. write()
- c. read()
- d. seek() ✔
- e. close()

Your answer is correct.

Question **3**

Correct

Mark 1 out of 1

What is the name for reading data in order from the beginning of a file to the end of the file?

Select one:

- a. file access
- b. direct access
- c. file order
- d. sequential access ✔

Your answer is correct.

Question **4**

Correct

Mark 1 out of 1

What is the name for reading data in any order within the file?

Select one:

- ○ a. file access
- ◉ b. random access   ✔
- ○ c. direct access
- ○ d. sequential access

Your answer is correct.

Question **5**

Correct

Mark 1 out of 1

Which of the following would be considered file metadata?

Select one or more:

- ☐ a. file data
- ☐ b. directory data
- ☑ c. file size   ✔
- ☑ d. file type   ✔
- ☑ e. access rights   ✔
- ☑ f. file name   ✔
- ☑ g. time created, modified   ✔

Your answer is correct.

```
name
uniqueID
size
access for read/write/execute
time created, last modified, last accessed
location on permanent storage
file type
creator
```

Question **6**

Correct

Mark 1 out of 1

What is file access control?

Select one:

○ a. rights for each user's access to file   ✔

○ b. controlling the order of access to the data

○ c. access order for getting file data

○ d. accessing the metadata for a file

> Your answer is correct.

Question **7**

Correct

Mark 1 out of 1

Symbolic links can create loops, but these are difficult to deal with because symlinks cannot be differentiated from files.

Select one:
○ True

● False ✔

Question **8**

Correct

Mark 1 out of 1

When mounted to DISK1, files and directories that are physically stored on DISK2 logically appear separate from the files and directories stored on DISK1.

Select one:
○ True

● False ✔

Question **9**

Correct

Mark 1 out of 1

Files can be shared by multiple processes?

Select one:

⦿ True ✔

◯ False

Question **10**

Correct

Mark 1 out of 1

The kernel keeps track of all files opened by a process?

Select one:

⦿ True ✔

◯ False