

Quiz5

Due No due date **Points** 2 **Questions** 4

Available May 2 at 1:15pm - May 2 at 1:48pm 33 minutes

Time Limit 30 Minutes

This quiz was locked May 2 at 1:48pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	1.18 out of 2

Score for this quiz: **1.18** out of 2

Submitted May 2 at 1:22pm

This attempt took 7 minutes.

Question 1

0.5 / 1 pts

For disk access, suppose the read/write head is at track 75 and move towards the highest track of 99. The disk request queue contains read/write request for sectors on tracks 23, 87, 36, 93, 66, then the sequence of head movements with

- Shortest Seek Time First (SSTF) is 75, ,
, , ,
 .
- With SCAN, the sequence is 75, ,
, , ,
 .

Note:

- we assume that for SCAN and C-SCAN, the arm head moves to the highest requested track and then return (instead of to 99).
- Further, for C-SCAN, the arm head moves to the lowest requested track (instead of 0).
- In the sequence for C-SCAN, please ignore the mechanic movement from top to bottom.

Answer 1:

ou Answered

23

orrect Answer

66

Answer 2:

ou Answered

36

orrect Answer

87

Answer 3:

ou Answered

66

orrect Answer

93

Answer 4:

ou Answered

87

orrect Answer

36

Answer 5:

ou Answered

93

orrect Answer

23

Answer 6:

Correct!

87

Answer 7:

Correct!

93

Answer 8:**Correct!**

66

Answer 9:**Correct!**

36

Answer 10:**Correct!**

23

Question 2**0.48 / 0.6 pts**

As we know, FFS includes in each inode 12 direct, 1 indirect, 1 double indirect, 1 triple indirect, and 1 quadruple indirect pointer. File blocks are of size of 4KB and pointers are of size of 4 Bytes. For the following blanks, use units such as K,M,G,T,P for bytes. For example, 5GB, 10TB, etc.

- Each direct pointer can support up to size of files.
- Each indirect pointer can support up to size of files.
- Each double indirect pointer can support up to size of files.
- Each triple indirect pointer can support up to size of files.
- Each quadruple indirect pointer can support up to size of files.

Answer 1:**ou Answered**

48KB

Correct Answer

4KB

Answer 2:**Correct!**

4MB

Answer 3:**Correct!**

4GB

Answer 4:**Correct!**

4TB

Answer 5:**Correct!**

4PB

Question 3**0.2 / 0.2 pts**

Which file system uses "Extent" for data storage?

Correct!☒ NTFS☐ FFS☐ FAT☐ No answer text provided.**Question 4****0 / 0.2 pts**

FFS usually store small files in contiguous file blocks.

Not Answered☒ True

Correct Answer

☐ False

Quiz Score: **1.18** out of 2