

# Quiz5

<b>Due</b> No due date	<b>Points</b> 1.6	<b>Questions</b> 2
<b>Available</b> Dec 9 at 2pm - Dec 9 at 2:22pm 22 minutes	<b>Time Limit</b> 20 Minutes	

This quiz was locked Dec 9 at 2:22pm.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	15 minutes	0.98 out of 1.6

Score for this quiz: **0.98** out of 1.6  
Submitted Dec 9 at 2:17pm  
This attempt took 15 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:

You Answered

23

Correct Answer

66

Answer 2:

You Answered

36

Correct Answer

87

Answer 3:

You Answered

66

Correct Answer

93

Answer 4:

You Answered

87

Correct Answer

36

Answer 5:

You Answered

93

Correct 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.

- Direct pointer can support up to 48KB size of files.
- Indirect pointer can support up to 4MB size of files.
- Double indirect pointer can support up to 4GB size of files.
- Triple indirect pointer can support up to 4TB size of files.
- Quadruple indirect pointer can support up to 4PB size of files.

Answer 1:

You Answered

48KB

Correct Answer

4KB

Answer 2:

Correct!

4MB

Answer 3:

Correct!

4GB

Answer 4:

Correct!

4TB

**Correct!**

**Answer 5:**

4PB

Quiz Score: **0.98** out of 1.6