Q12

Due Feb 18 at 11:59pm   **Points** 4   **Questions** 4   **Time Limit** None
Allowed Attempts 2

Instructions

This quiz is based on content from Set 12 (Scheduler Advanced).

Attempt History

	Attempt	Time	Score
KEPT	**Attempt 2**	3 minutes	4 out of 4
LATEST	**Attempt 2**	3 minutes	4 out of 4
	Attempt 1	141 minutes	1 out of 4

Score for this attempt: **4** out of 4
Submitted Feb 18 at 4:03pm
This attempt took 3 minutes.

Question 1   1 / 1 pts

First Come First Served (FCFS) scheduling algorithm performance can never equal the performance of Shortest Job First (SJF) for average response time.

○ True

Correct!   ◉ False

> SJF and FCFS have same performance for average response time if the size of all CPU bursts are identical.

Question 2   1 / 1 pts

A quantum is:

○ the absolute minimum time that a process must run.

○ the amount of time that a process runs before it blocks on I/O.

Correct!

◉ the absolute maximum time that a process can run before being preempted.

Question 3   1 / 1 pts

Process aging (as utilized in schedulers) is:

○ Computing the next CPU burst time via a weighted exponential average of previous bursts.

○ giving a process a longer quantum as it gets older.

○ the measurement of elapsed CPU time during a process' execution.

Correct!

◉ boosting a process' priority temporarily to get it scheduled to run.

Question 4   1 / 1 pts

When does preemption of a process take place?

○ When a process exits.

○ All answers are correct

Correct!   ◉ When a quantum expires.

○ When a process issues an I/O request.

Quiz Score: **4** out of 4