ClassActivity_3

Instructions

This is a class activity associated with the lecture on processes and python's multiprocessing.

Please submit before the deadline. No late submission is accepted.

This activity will be marked based on the reasonable effort you put to answer the questions, not necessarily correctness.

This quiz was locked Jan 28 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	28 minutes	10 out of 10

Score for this attempt: **10** out of 10

Submitted Jan 28 at 3:55pm

This attempt took 28 minutes.

Question 1   3 / 3 pts

Explain the notion of a process. How is it different from the program stored on the hard disk?

Your Answer:

A process is a program that is under execution. A process is an active entity whereas a program is a passive entity.

Question 2

2 / 2 pts

State and explain two of the different process states.

Your Answer:

new: a process is being created

terminated: the process has finished execution

Question 3

3 / 3 pts

Explain the concept of context switch. Is context-switch time overhead?

Your Answer:

Context-switching is when the CPU switches to another process. It saves the old process and loads the saved state for the new process. Context-switch time is overhead as the system is not doing any useful work while switching.

Question 4

2 / 2 pts

What is the join() method of the Python's multiprocessing module used for?

Your Answer:

The join() method waits for the thread/process to complete. The method blocks until the process whose join() method is called terminates.

Quiz Score: **10** out of 10