

Quiz#2

Time: 9 +1 mins

Q#1.

- a. What command would you use to view the complete list of processes running on your system? Explain the purpose of at least three columns from the output. (2 mins)
- b. You ran the command **ps au** and noticed a process with the state marked as Z. What does this state indicate? (1 mins)

Q#2.

- a. If you call **fork()** once in your code, how many processes will be created? How many will be created if you call **fork()** twice consecutively? Can you draw the tree for that? (3 mins)
- b. In a system call **fork()**, what is the significance of the return value, and how can you differentiate between the parent and child process based on it? (3 mins)