EXERCISE #1

In multitasking OS, each OS performs “context switching” to switch from a program to another in multitasking. What must a multitasking OS do in context switching?

EXERCISE #2

Are the following statements true or false?

(a) A multitasking OS is a time-sharing OS.
(b) A time-sharing OS is a multitasking OS.

EXERCISE #3

Which of the following types of operating need short-term process scheduling? Select all that apply. For those you do NOT select, explain why it (they) do not need short-term scheduling?

(a) Pre-OS
(b) Batch system
(c) Multi-tasking
(d) Time sharing