Question 2.1:

Kill command is a built-in command which is used to terminate processes manually. kill command sends a signal to a process which terminates the process.

The advantage of kill command that it's handleability but the negative side that could be a race condition because the kill command is depend on pid that could recycled.

First method:

Procfs: is a special filesystem in Unix-like operating systems that presents information about processes and other system information in a hierarchical file-like structure, providing a more convenient and standardized method for dynamically accessing process data held in the kernel than traditional tracing methods or direct access to kernel memory.

The advantage of procfs that give a data on the process to used later But the negative side that that it's not work in any OS.

Second method:

ps: displays information about a selection of the active processes. If you want a repetitive update of the selection and the displayed information.

The advantage of ps that we can know process status despite of we cannot send a signal but the negative side that if the process name will begin with grep the approach is fail.

Screenshot for Q2.0: