

Command Cheat Sheet for NextTeam

Modules 1-5

version - display current version of NTOS in use.

getTime - display current time of system; Time will be displayed as hour:minute:second

setTime - change system's current time; Will prompt user to enter time as hh:mm:ss (i.e. hour:minute:second).

getDate - display current date of system; Date will be displayed as month/day/year

setDate - change system's current date; Will prompt user to enter date as mm/dd/yy (i.e. month/day/year)

setAlarm - set an alarm; Will prompt user to enter a time as hh:mm:ss (i.e. hour:minute:second). Will also prompt user for a message to display when the alarm goes off

infinite - goes forever; Will create a process that sits idle forever and cannot be deleted unless it is suspended

shutdown - shuts down NTOS; Will prompt user to confirm system shut down as yes/no.

suspend - places PCB in suspended state; Will prompt user for a process name and will set to suspended state and move to the appropriate queue

resume - places PCB in not suspended state; Will prompt user for a process name and will set to not suspended state and move to the appropriate queue

setPriority - sets PCB priority; Will prompt user for a process name and ask for new priority and will set to new priority and move to the appropriate queue

showPCB - display info for a PCB; Will ask for a process name and display the process name, class, state, suspended status, and priority for a PCB.

showAllProcesses - display process name, class, state, suspended status, and priority for PCBs

showReady - display the process name, class, state, suspended status, and priority for all ready queue PCBs

showBlocked - display the process name, class, state, suspended status, and priority for all blocked PCBs

history - print command history; Will display the user's ten previous commands

isEmpty - checks if the heap is empty; Will say whether any processes are taking up memory

yield - yield command handler; Will temporarily yield in R3

loadr3 - setup and load the five test processes

setAlarm - sets a user alarm; Will allow the user to enter hour, minute, and second for an alarm to set

initializeHeap - initializes memory heap; Will ask the user for memory to initialize heap in bytes

allocateMemory - allocate a block of memory; Will ask for block for how much memory to allocate in new block

freeMemory - frees a block of memory; Will ask the user for the start address of what block to free

isEmpty - says if memory is empty; Will say if the memory block is empty or not.

showAllocated - show allocated block memories; Will show size and address of allocated memory blocks

showFree - show free block memories; Will show size and address of free

Module 6

quit- Ends execution of module 6

help- Shows how to do each command

printBootSector- Prints out all information in the boot sector

printRootDirectory- Print all the info in the root directory

changeDirectory <directoryName>- Changes the directory to a subdirectory of the current directory

list <file.extension>- Lists the info for current directory by default, but lists for specified file if specified

rename <oldFileName.extension> <newFileName.extension>-Changes the file name

type <fileName.extension>-Display the file entered