Command Cheat Sheet

- *version*
  - Prints the version of the project.
- *help [command]*
  - Prints the help message associated with *command*.
- *shutdown*
  - Ends operation of the system. Asks for confirmation, typing a "y" will stop the OS from running, any other input will keep the OS running.
- *getdate*
  - Displays the current date in format *yyyy-mm-dd*. (UTC time)
- *gettime*
  - Displays the current time in format *hh:mm:ss*. (UTC time)
- *setdate <yyyy-hh-mm>*
  - Overwrites the current date. Must be entered as *yyyy-mm-dd*.
    - Ex: *setdate 2022-09-09* (Sets the date to September 9th, 2022)
- *settime <hh:mm:ss>*
  - Will overwrite the current time. Time must also be entered in UTC, which is 4 hours behind EDT and 5 hours behind EST.
    - Ex: *settime 8:30:00* (Sets the time to 8:30 am during daylight savings time)
- **suspend <name>**
  - Moves the specified process to the suspended state and moves it to the correct queue.
- **resume <name>**
  - Moves the specified process to the not suspended state and moves it to the correct queue. The name specified must be a valid name of a process.
- **setpriority <name> <priority>**
  - Changes the current priority of the specified process. The name specified must be a valid name of a process and the priority specified must be a number that is 0-9.
- **deletePCB <name>**
  - Deletes the specified PCB, but only if it is in the suspended state.
- **showPCB <name>**
  - Shows information based on the specified process if it exists.
- **showready**
  - Shows the information for all processes in the ready state.
- **showblocked**
  - Shows the information for all processes in the blocked state.
- **showallprocesses**
  - Shows the information for all processes.

- **loadr3**

  - Loads all of the test processes from the file "procsr3.c". All of the processes will be loaded and put in the queues in a non-suspended ready state with a priority of 5.

- **alarm <hh:mm:ss> <message>**

- o   Will print a user-provided message at the user-specified time, or if the current time is greater than the input.

- **infinite**

  - o   Creates an infinite process that can not be deleted until the user has suspended it.

- **showallocmem**

  - o   shows information about all allocated memory control blocks (MCB).

- **showfreemem**

  - o   shows information about all allocated memory control blocks (MCB).

- **allocmem <int>**

  - o   Creates an MCB with the size in bytes of the passed integer. The MCB becomes part of allocated memory.

- **freemem <0x000…>**

  - o   Deletes the MCB with the specified hex value. The value can be found by doing showallocmem and getting the start address value.

- **loadr6**

  - o   Loads and runs all of the functions in the test file provided.