

JitHub Users Manual
Version 1
9/8/2023

Startup

To boot the operating system, navigate to the JitHub directory. Once there, type "make" to compile the program. Finally type "./mpx.sh" to run the OS

```
loud@loud-VirtualBox:~/Jithub$ make
make: Nothing to be done for 'all'.
loud@loud-VirtualBox:~/Jithub$ ./mpx.sh
```

Menu

Upon startup the operating system provides a menu with a list of commands.

- Enter any of the following to continue.

```
Enter one of the following:
1. Version
2. Get Time
3. Set Time
4. Get Date
5. Set Date
6. Help
7. Shutdown
```

Version

Type "version" or type '1' to retrieve the current version of the operating system

Version includes:

- The module it was updated during
- The compilation date and time

```
>> version
Release Number: 1
Date of most recent compile: Sep  8 2023
Time of most recent compile: 13:18:38
```

Get Time

Type "get time" or '2' to retrieve the current system time

- Retrieves the current time which may be updated using "set time"

```
>> get time
Time is: 17:20:58
```

Set Time

Type "set time" or type '3' to set the system time

- The system will then display a prompt to input the time in hh:mm:ss format

```
>> set time
Enter the time. (hh:mm:ss)
>> 1:44:00
Time set to 01:44:00.
```

Get Date

Type "get date" or type '4' to retrieve the current system date

- Retrieves the current date that may be updated with "set date"

```
>> get date
Date: 9/08/23
```

Set Date

Type "set date" or type '5' to set the system date

- The system will then display a prompt to input the date in mm/dd/yy format

```
>> set date
Enter the date. (mm/dd/yy)
>> 1/1/24
Date set to 01/01/24
```

Help

Type "help" or type '6' to see a list of commands you can run

```
>> help
Type "version" or type '1' to retrieve the current version of the operating system
Type "get time" or type '2' to retrieve the current system time
Type "set time" or type '3' to set the system time
Type "get date" or type '4' to retrieve the current system date
Type "set date" or type '5' to set the system date
Type "help" or type '6' to see a list of commands you can run
Type "shutdown" or type '7' to exit the operating system
```

- Additionally, type "help" followed by any menu command to get help specific to that instruction

```
>> help get time
Type "get time" to retrieve the current system time
```

Shutdown

Type "shutdown" or type '7' to exit the operating system

- A confirmation prompt will appear. Type 'y' or 'n' to confirm or cancel.

```
>> shutdown
Confirm Shutdown? Y/N
y
klogv: Transferring control to commhand...
klogv: Starting system shutdown procedure...
klogv: Halting CPU...
```