

help()

The help command calls a function that briefly informs the user of the other commands available and what they are for.

Example of when the 'help' command is run.

```
Hello! Please type one of the following from the menu.  
Type 'help'  
Type 'version'  
Type 'getdate'  
Type 'setdate'  
Type 'gettime'  
Type 'settime'  
Type 'shutdown'  
[Please enter a command here : help  
  
'version' command prints the current version of MPX and the compilation date.  
'getdate' command retrieves the date.  
'setdate' command allows user to set the date.  
'gettime' command retrieves the time.  
'settime' command allows the user to set the time.  
'shutdown' command exits to the main function and requires confirmation.
```

version()

Informs the user of what version of MPX is running.

Example of what happens when the 'version' command is run.

```
Hello! Please type one of the following from the menu.  
Type 'help'  
Type 'version'  
Type 'getdate'  
Type 'setdate'  
Type 'gettime'  
Type 'settime'  
Type 'shutdown'  
Please enter a command here : version  
  
The current version of MPX is: R1
```

getdate()

Allows the user to retrieve the date that is currently stored.

Example of when the 'getdate' command is run.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : getdate
```

```
08/09/23
```

setdate()

Allows the user to change the date stored.

Example of when the 'setdate' command is run. When the 'getdate' command is run after, the changes made in 'setdate' are saved.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : setdate
```

```
[Enter date (DD/MM/YY): 04/03/23
```

```
Date set successfully
```

gettime()

Allows the user to retrieve the time that is currently stored.

Example of when the 'gettime' command is run.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : gettime
```

```
18:19:46
```

settime()

Allows the user to change the time stored.

Example of when the 'settime' command is run. When the 'gettime' command is run after, the changes made in 'settime' are saved.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : settime
```

```
[Enter time (HH:MM): 21:56
```

```
Time set successfully
```

shutdown()

Once the user inserts the command and confirms it, the program does not allow the user to insert commands.

Example of when the 'shutdown' command is run, along with the confirmation of 'yes' is typed.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : shutdown
```

```
[Would you like to shutdown? (yes/no): yes
```

```
Shutting down...
```

```
klogv: Starting system shutdown procedure...
```

```
klogv: Halting CPU...
```

—

Example of when the 'shutdown' command is run, along with the confirmation of 'no' is typed.

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
[Please enter a command here : shutdown
```

```
[Would you like to shutdown? (yes/no): no
```

```
Shutdown canceled or invalid input.
```

```
Hello! Please type one of the following from the menu.
```

```
Type 'help'
```

```
Type 'version'
```

```
Type 'getdate'
```

```
Type 'setdate'
```

```
Type 'gettime'
```

```
Type 'settime'
```

```
Type 'shutdown'
```

```
Please enter a command here : █
```