

# Python Linux Menu - Manual

This document explains the functionality and usage of the PythonMenu script.

It is best to run this script as a sudo user: "sudo ./PythonMenu.py"

## Main Menu

The script presents a main menu with the following options:

...

===Python Menu===

1. File Hashes
2. Get, Kill, Start Processes
3. Account Creation, Removal, Information
4. Show Network Connections
5. CPU, Memory, Disk Information
6. Exit

...

## Usage

1. Run the PowerShell script.
2. Enter the number corresponding to the desired option.
3. Follow the prompts within the selected submenu.
4. Enter q to quit the application.

## 1) File Hashes

This option allows you to calculate and view various cryptographic hashes of a specified file.

### Submenu

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--- File Hash Menu ---

1. MD5
2. SHA1
3. SHA256
4. SHA512

5. Back to Main Menu

...

### Usage

1. Select a hash algorithm (1-4).
2. Enter the full file path when prompted.
3. The hash value will be displayed.
4. Enter 0 to return to the main menu.

## 2) Get, Kill, Start Processes

This option provides tools for managing processes.

### Submenu

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--- Process Management Menu ---

1. Get All Processes
2. Kill Process by PID
3. Start Process
4. Back to Main Menu

...

### Usage

- 1) Get All Processes: Displays a list of all running processes.
- 2) Kill Process by PID: Prompts for a process ID (PID) and terminates the corresponding process.
- 3) Start Process: Prompts for the name or path of a process to start and launches it. Enter 0 to return to the main menu.

## 3) Account Creation, Removal, Information

This option provides tools for managing local user accounts.

### Submenu

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--- Account Management Menu ---

1. Create User
2. Remove User

3. List Users
4. Back to Main Menu

...

### Usage

- 1) Create User: Prompts for a username and password, and creates a new local user account.
- 2) Remove User: Prompts for the username of the account to delete and removes the specified local user account.
- 3) List Users: Displays a list of all regular and sudo user accounts on the system. Enter 0 to return to the main menu.

## 4) Show Network Connections

This option displays active network connections.

Submenu

...

--- Network Management Menu ---

1. Show Network Connections
2. Back to Main Menu

...

### Usage

- 1) Show Network Connections: Displays a list of active network connections. Enter 0 to return to the main menu.

## 5) CPU, Memory, Disk Information

This option displays system information related to CPU, memory, and disk usage.

### Usage

Displays CPU usage percentage, total/available/used memory in GB, and total/free/used disk space in GB for the root partition.  
Pauses after displaying the information.

## **0) Exit**

Exits the Python script.