**How to get CLI of Raspberry Pi?**

1. Go to <https://www.raspberrypi.org/software/> and download and install Raspberry Pi OS Imager.

Graphical user interface, application

Description automatically generated

1. Click on Choose OS
2. Click on Raspberry Pi OS (other)

Graphical user interface, text, application

Description automatically generated

1. Select Raspberry Pi OS (legacy) **Debian Buster**

Graphical user interface, text, application, email

Description automatically generated

1. Select the memory card in Choose Storage
2. Click on **Shift + Control + X** to get advanced options, enable Secure Shell and give password.

**(Very Imp Step)**

Optional : Configure Wi-Fi (if using laptop)

Graphical user interface, text, application

Description automatically generated

1. Select Set Local settings to set the Time zone

Graphical user interface, application, email

Description automatically generated

1. Open Command Prompt/terminal and type **ping <RPi-Name>.local**
2. Note the IP Address and launch it by writing **ssh pi@<RPi-Name>**

**(Or)**

**ssh pi@<IP Address>**

Note: Get the IP Address of RPi from Mobile Hotspot list if connected to WiFi

1. Login with pi as username and default password is raspberry
2. Use the command **lsb\_release -a** to check if the OS is Raspbian or not.
3. Shut Down Option for safely shutting down : **sudo shutdown -h now**

Restart a Raspberry Pi : **sudo reboot**

**How to get GUI of Raspberry Pi?**

1. Run the command **sudo raspi-config**
2. Change the resolution from Display Options ( Select different resolution apart from Default)

Text

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1. Enable VNC Server from Interface options
2. Enable Camera from Interface option for using Camera.
3. Click on Finish, it will ask for reboot for taking effect. Reboot and log in again (if asked)

Restart a Raspberry Pi : **sudo reboot**

1. Download VNC Viewer to use GUI

* Link : <https://www.realvnc.com/en/connect/download/viewer/windows/>

1. Give correct IP Address and log in