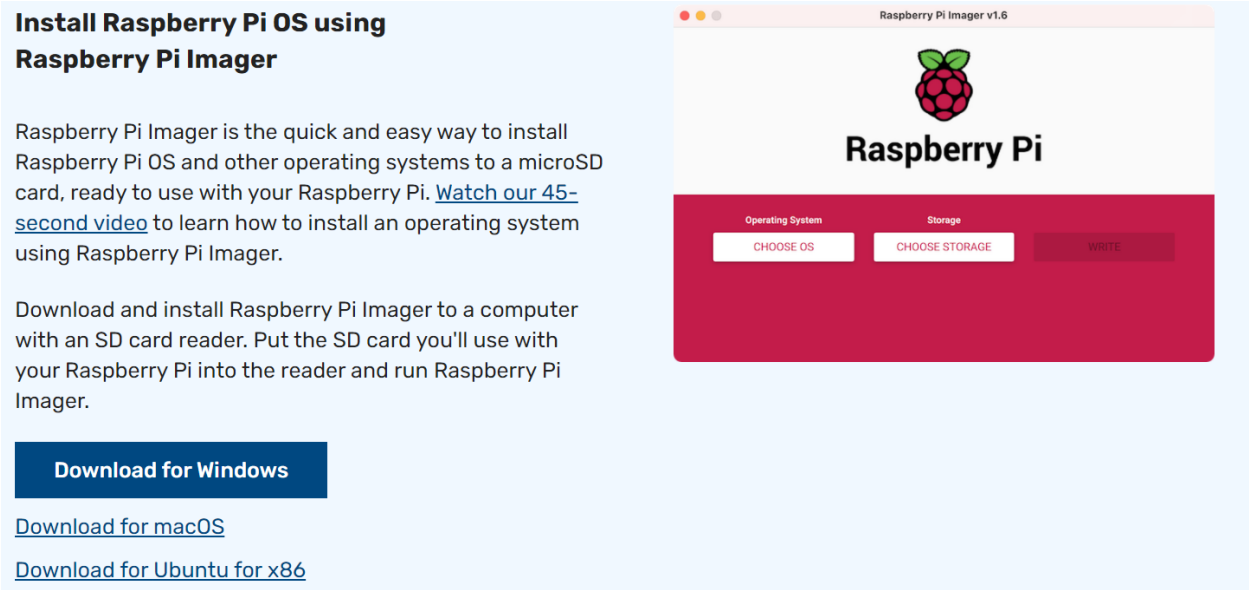
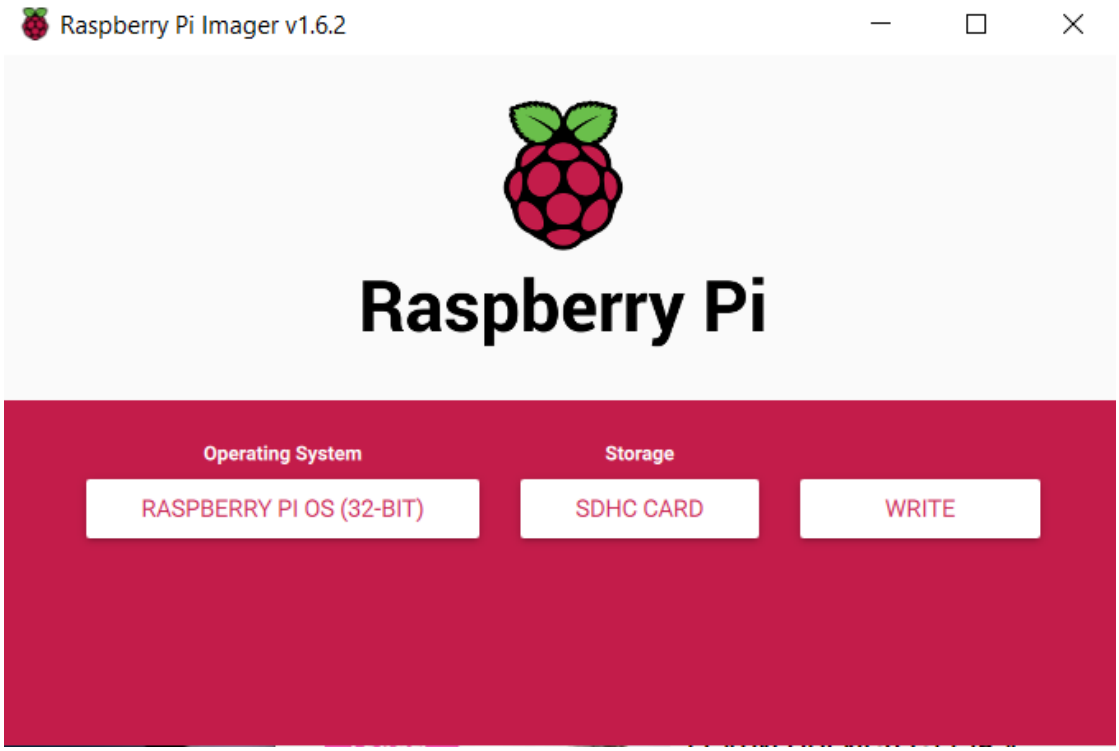
Raspberry Pi 3 Configuration

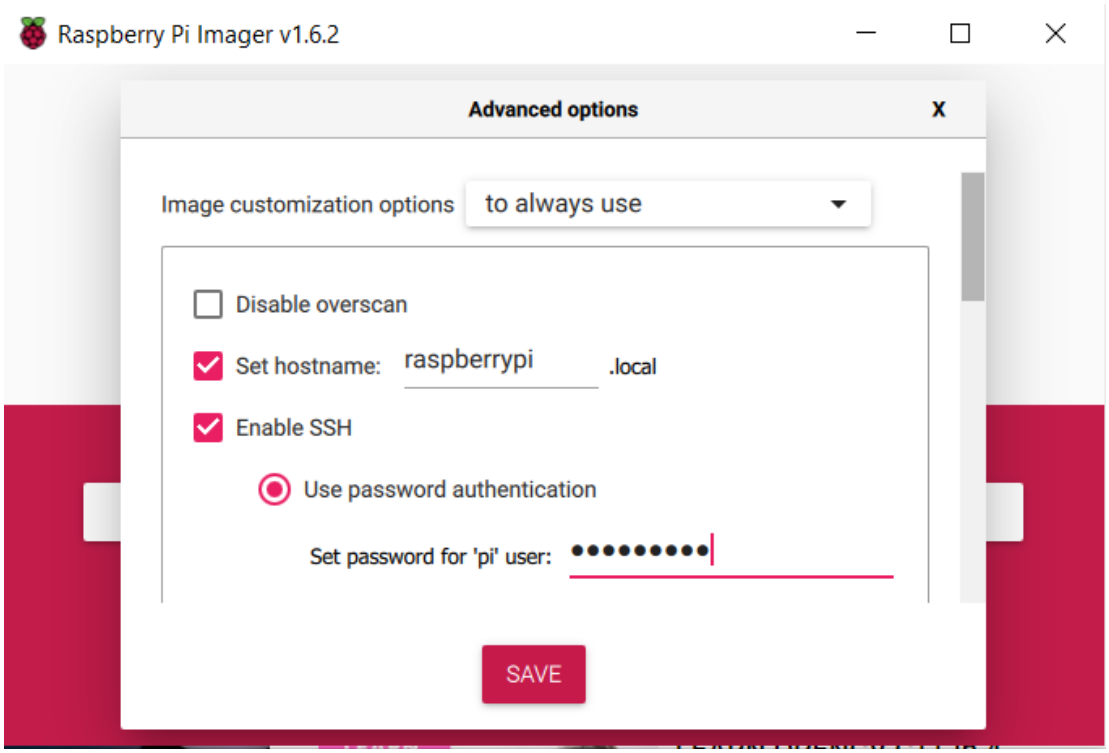
- Download Raspberry Pi Imager from www.raspberrypi.org.
-

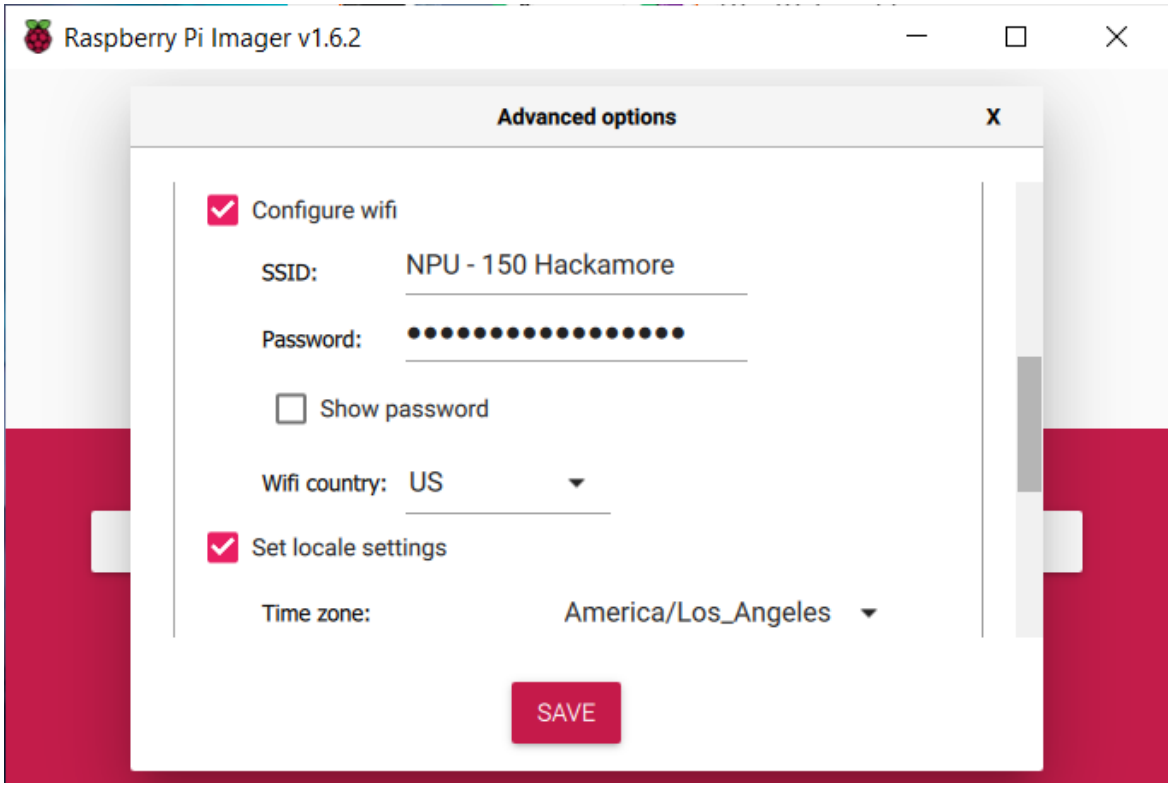


- Open Raspberry pi Imager and connect SD Card to the system and choose SD card and Operating system to write.

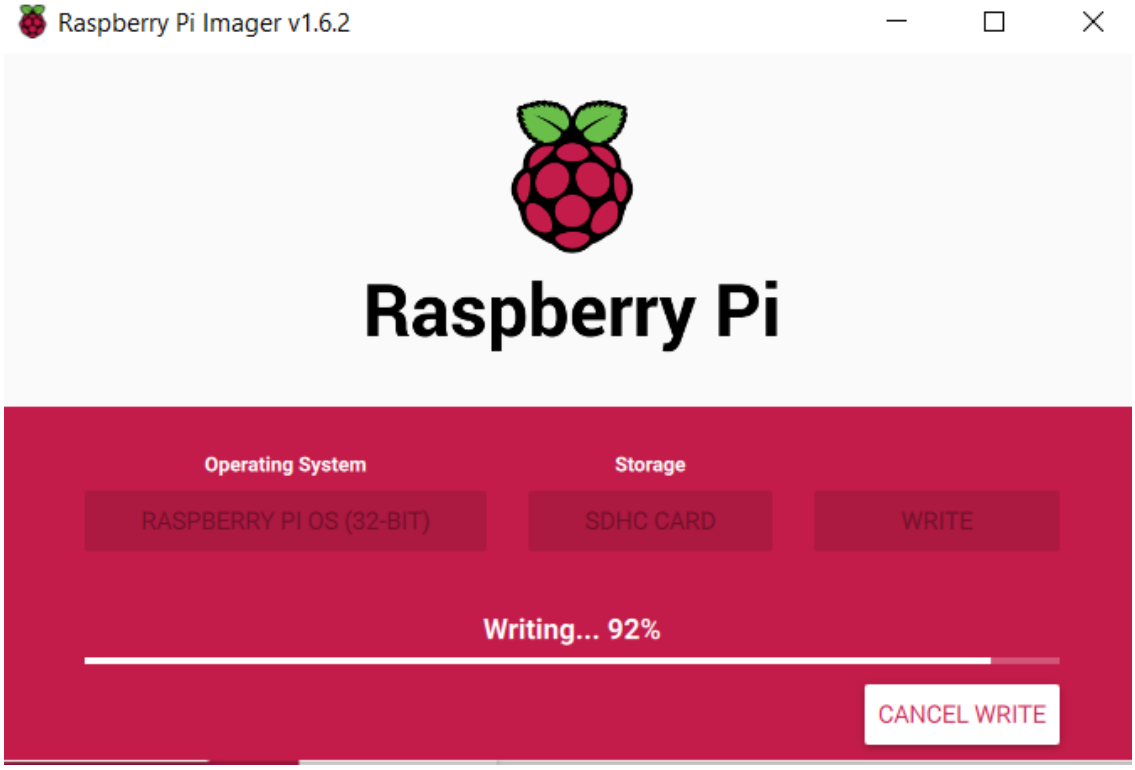


- Go to advanced options and provide host name and wifi details and save.





- Now click on write to write the OS into the SD Card.

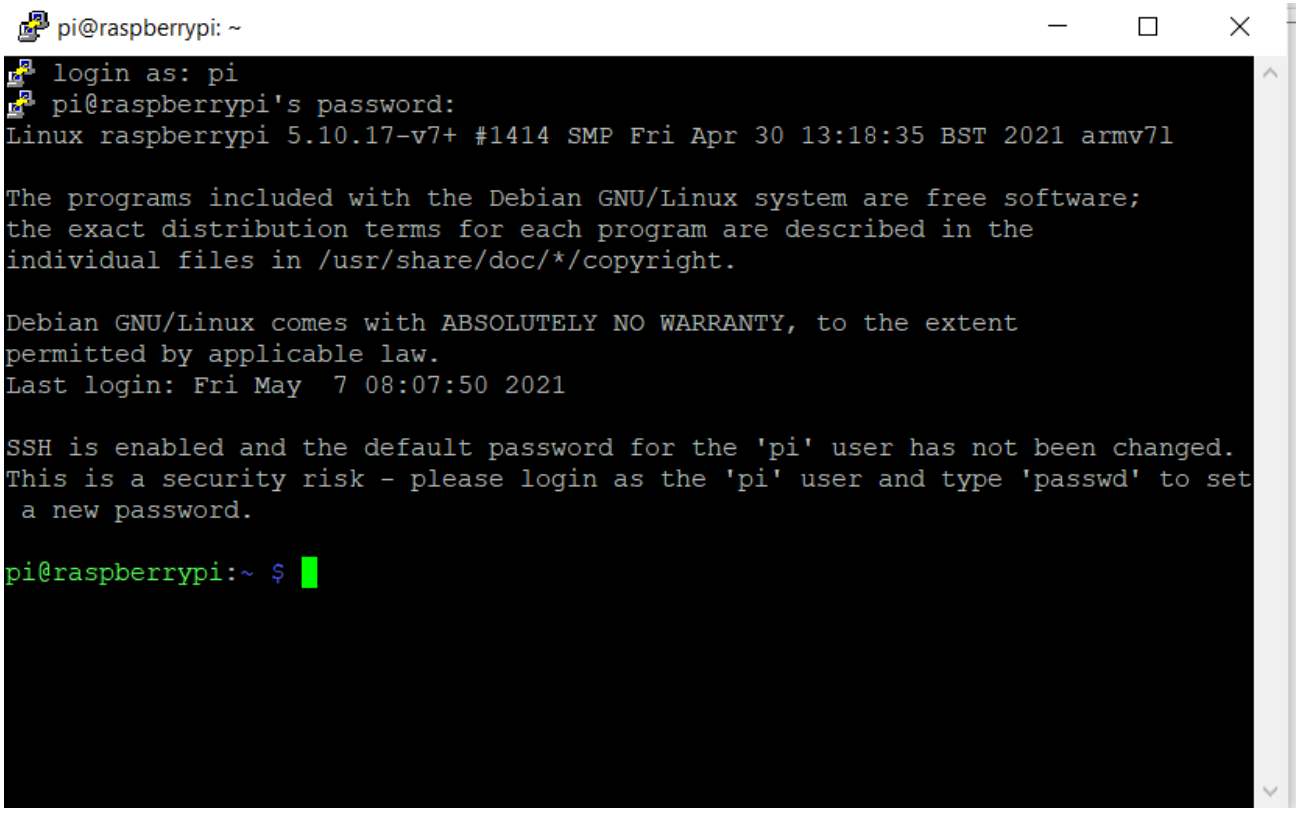


- After completing the writing, remove SD card and insert again.
- Create an empty file ssh and a configuration file wpa_supplicant.conf.
- These two files are loaded into the boot of the SD card.
- The wpa_supplicant.conf has the details of WIFI and password as follows.

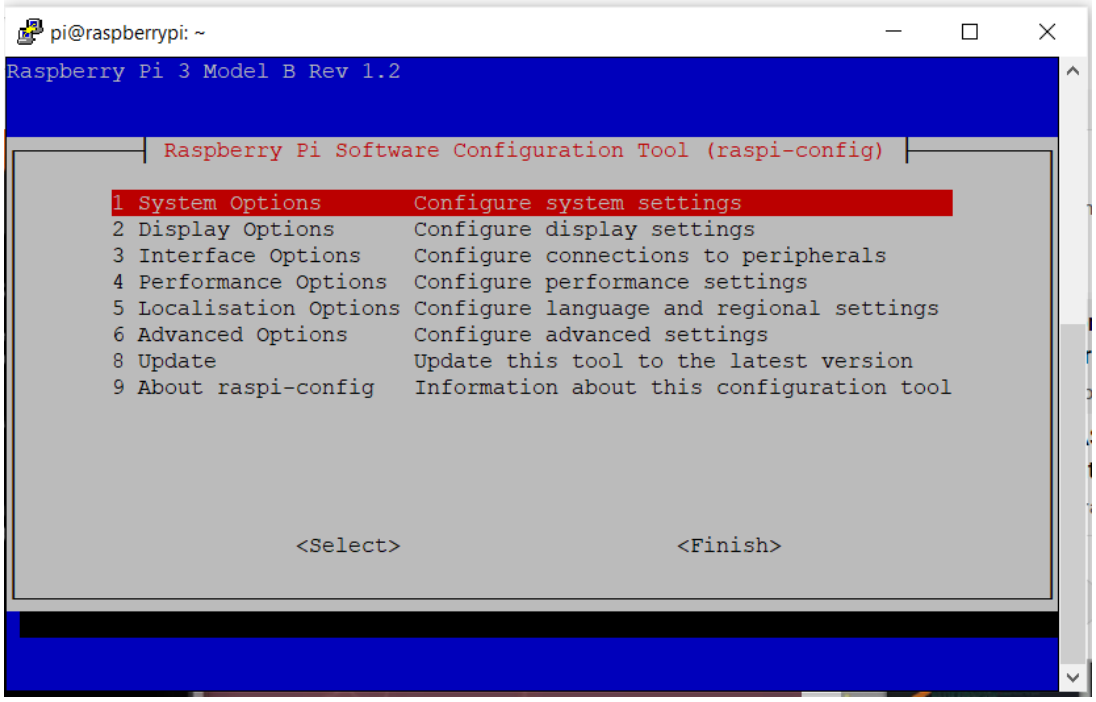
```
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev

update_config=1

country=US

network={

  ssid="NPU - 150 Hackamore"

  psk="Wifi Password"

  scan_ssid=1

}
```

- Now insert the SD card into the raspberry pi and turn on the power supply. Wait until the pi boots.
- To scan the IP address of raspberry pi, use IP scanner or open putty client and type raspberry pi and check SSH connection and open.

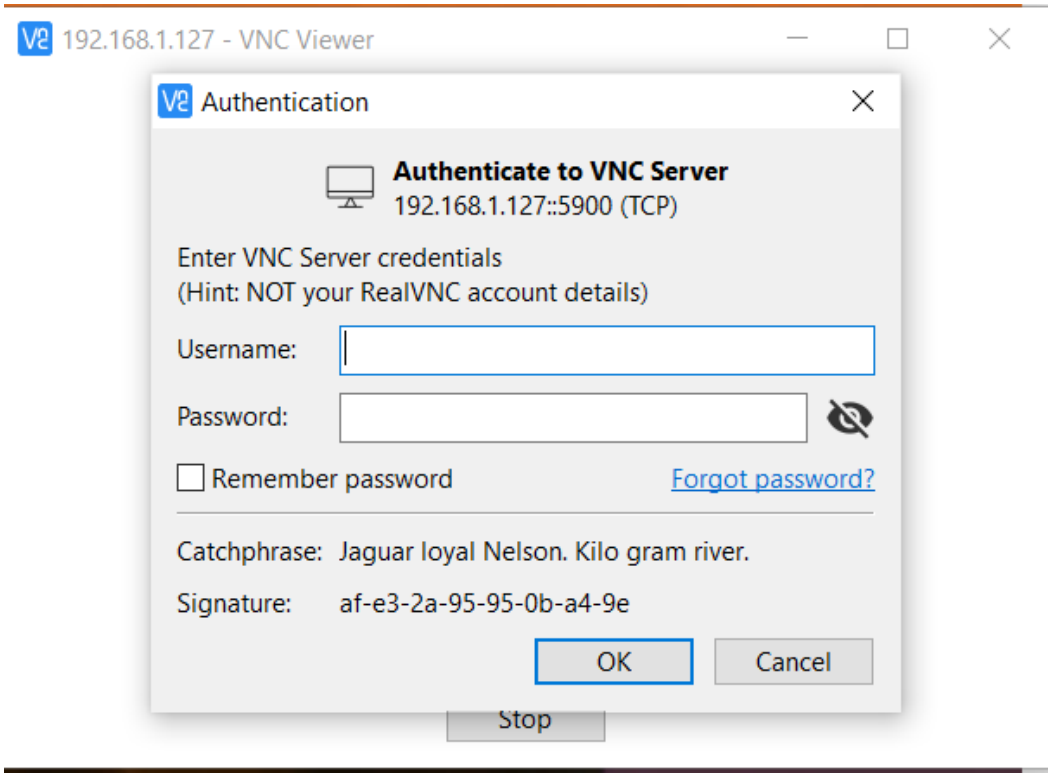
Login as : pi
Password: raspberry



- Type sudo raspi-config to configure and enable vnc.



- Choose interface options and enable SSH and VNC and finish.Now open VNC viewer and search for IP address of raspberry pi 192.168.1.127



- Enter username pi and password raspberry and click OK.
- Now the configuration is done and is ready to use.