Raspberry Pi

**1.Introduction:**

**\* What is Raspberry Pi and what can you do with it?**

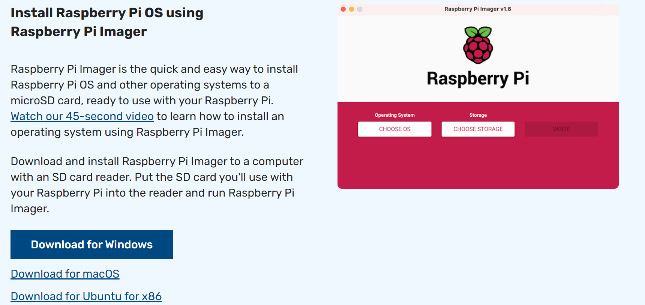
Raspberry pi is a series of small single-board computers developed in the united-kingdom by the Raspberry pi foundation in association with Broadcom. The raspberry pi project originally leaned towards the promotion of teaching basic computer science in schools and in developing countries.

Details : <https://en.wikipedia.org/wiki/Raspberry_Pi>

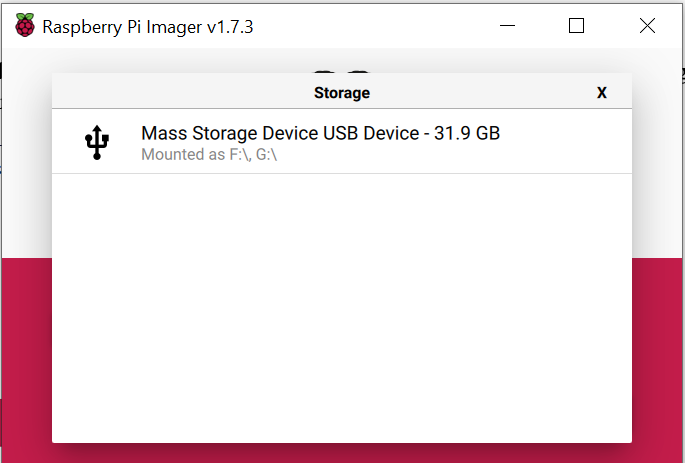
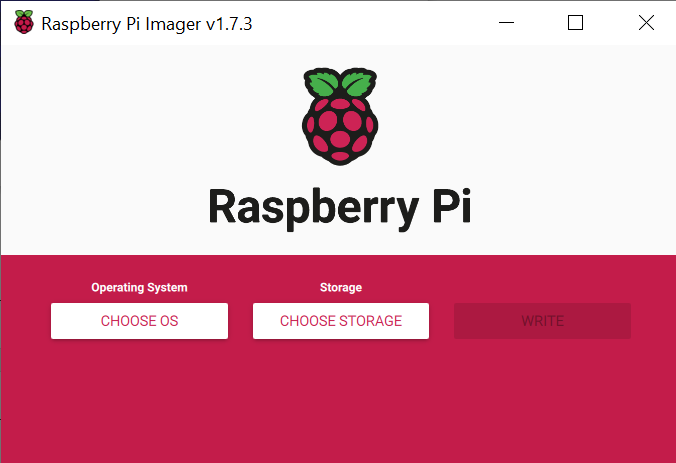
**2.Install and Setup Raspberry Pi:**

Flash the Raspberry Pi OS with SSH and wi-fi setup on micro-SD card-

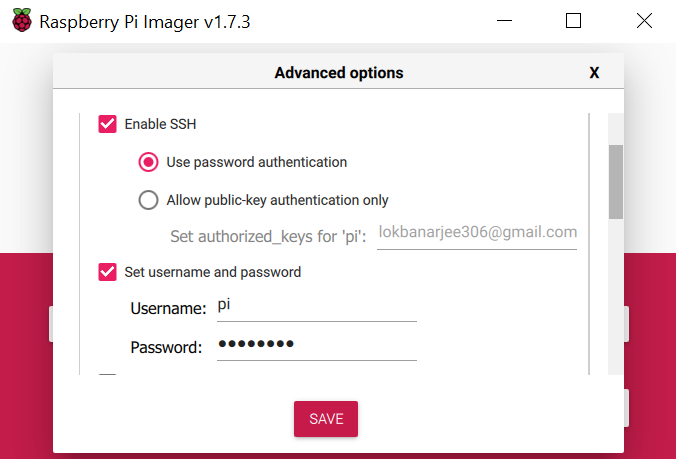
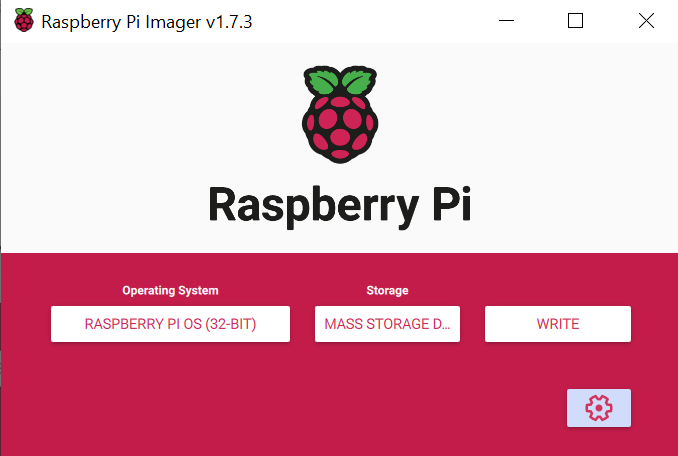
1. First, install raspberry pi imager then run it. <https://www.raspberrypi.com/software/>



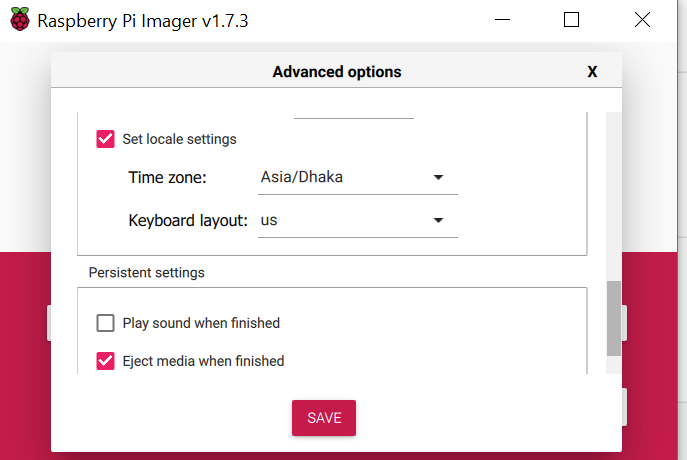
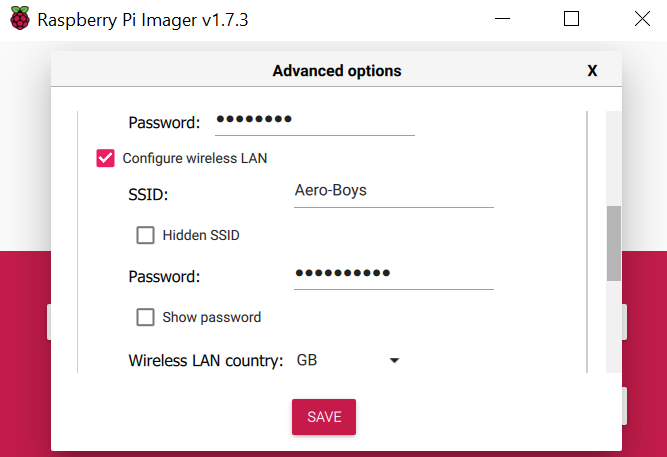
1. Second, Enter micro-SD card on laptop using card reader for flash. Open imager choose operating systems latest version (like, Raspberry Pi OS -32 bit) then select storage.



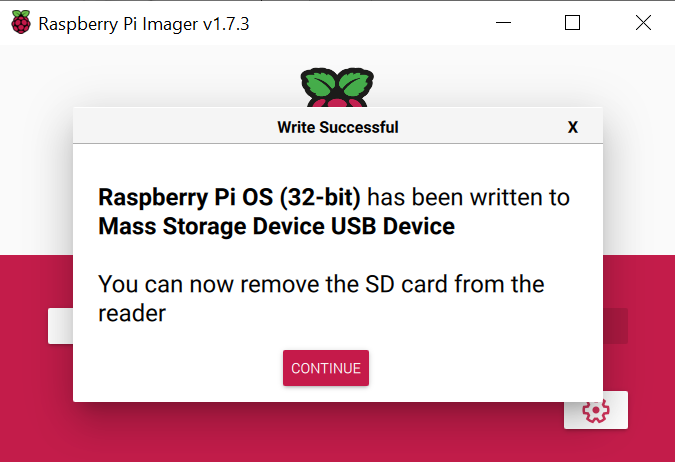
And, next go to setting and 1st step : to enable SSH and set a password (by default username is : pi)



2nd step: configure wireless LAN (Make sure your laptop and configure network are same.) and then set-locale setting (for time zone) and “save it”

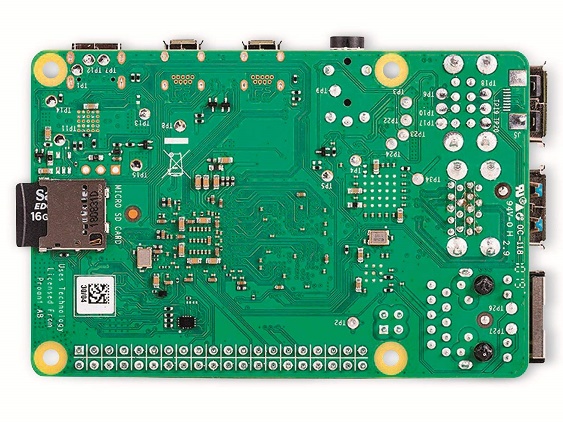
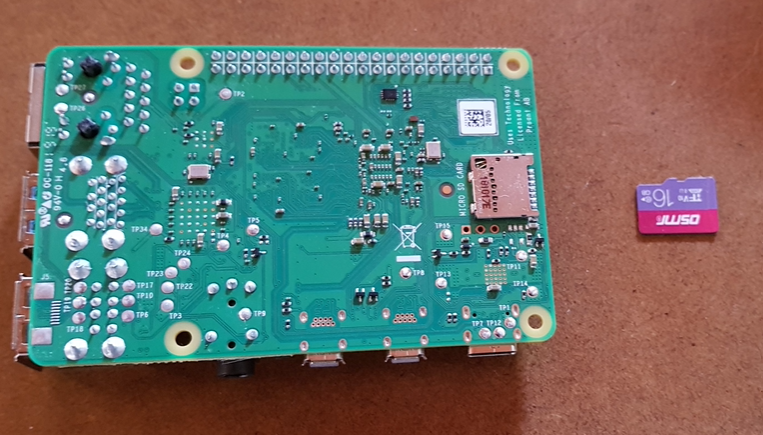


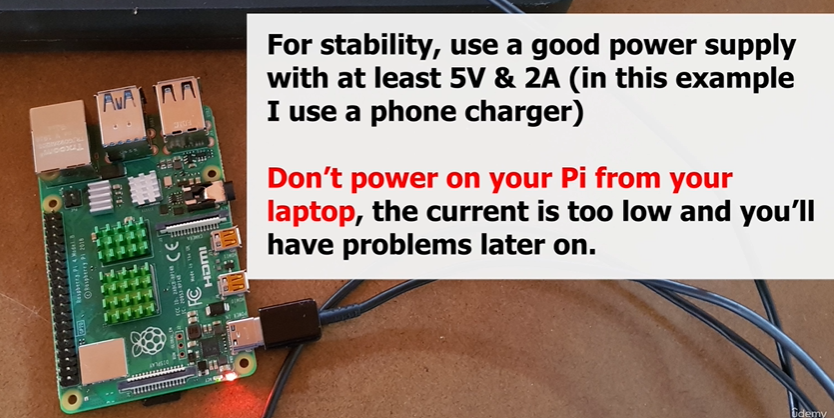
Finally, simply click on “**WRITE**”



**3.Boot Raspberry Pi First Time:**

Micro-SD card which one is already flashed put it in raspberry pi board and connect to the power supply.

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**#Find the Raspberry Pi’s IP address**