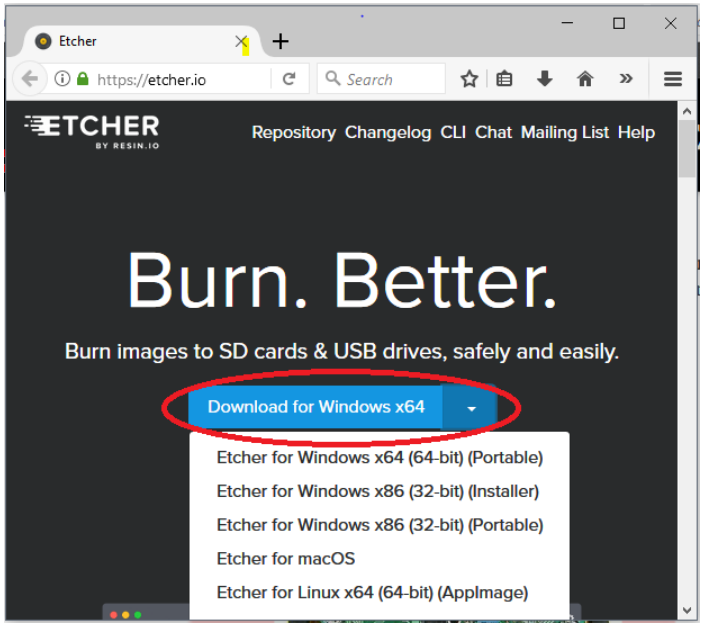
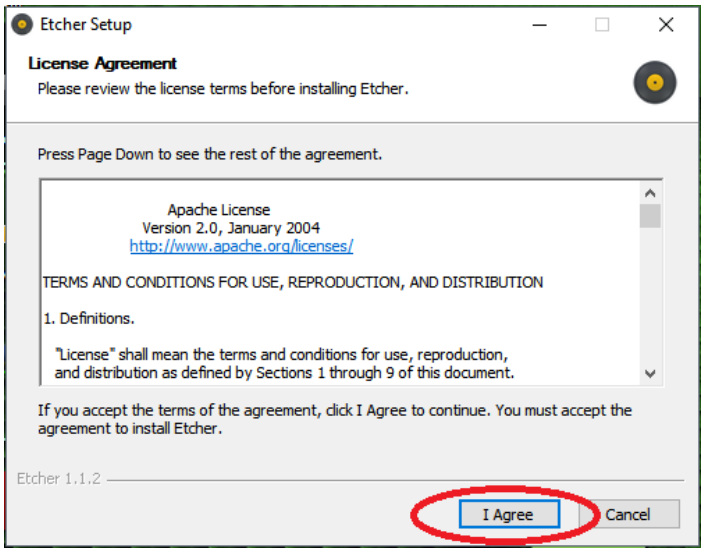
Setting up Raspberry Pi 3 on Windows

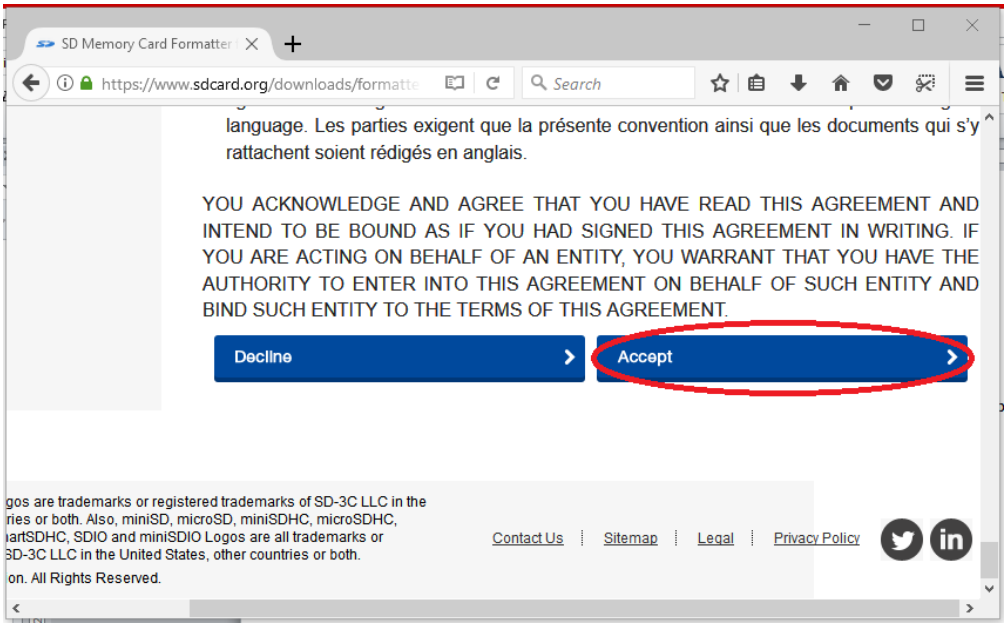
1. Go to this link and download "Etcher" (version: Suitable for your computer).



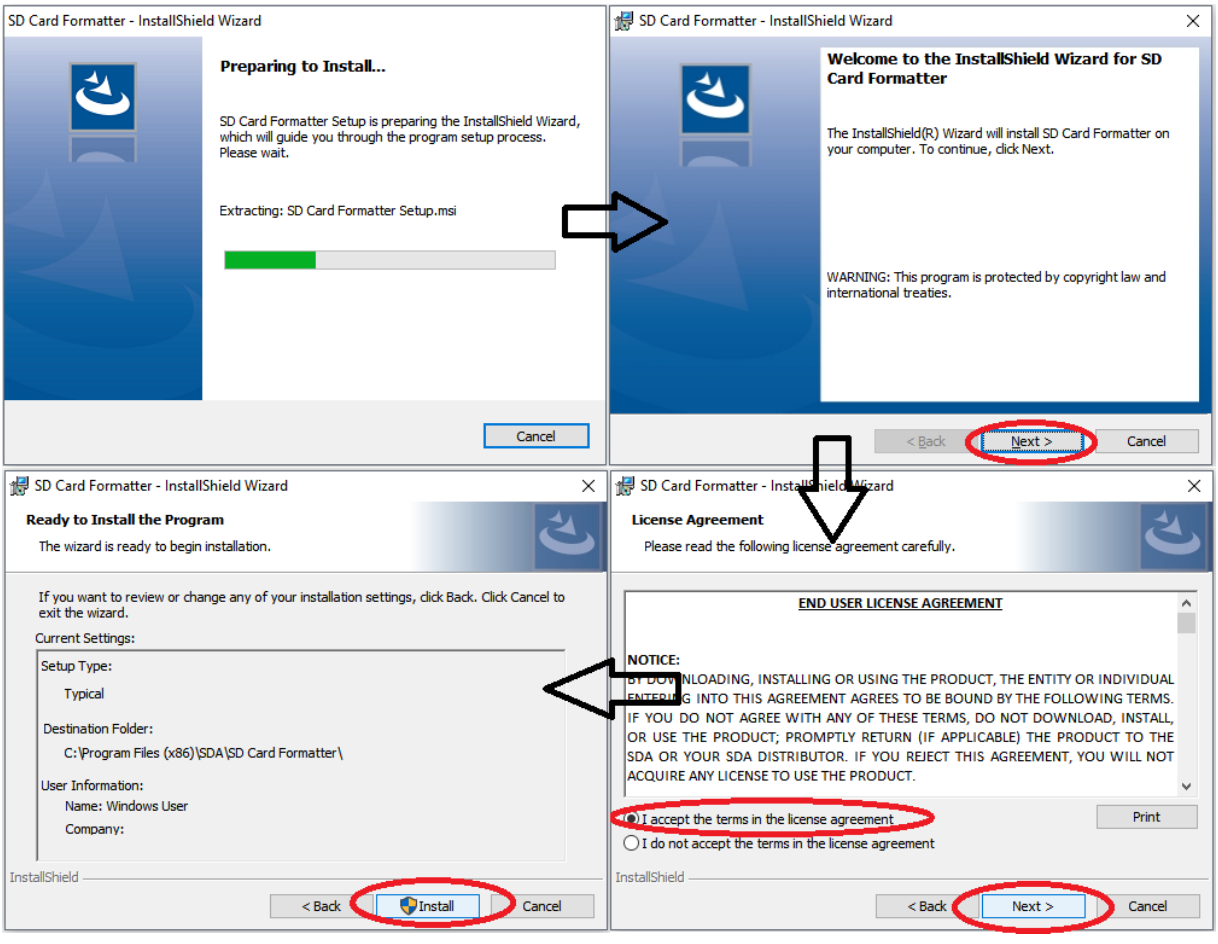
2. Install the Etcher by running the downloaded **".exe"** file.



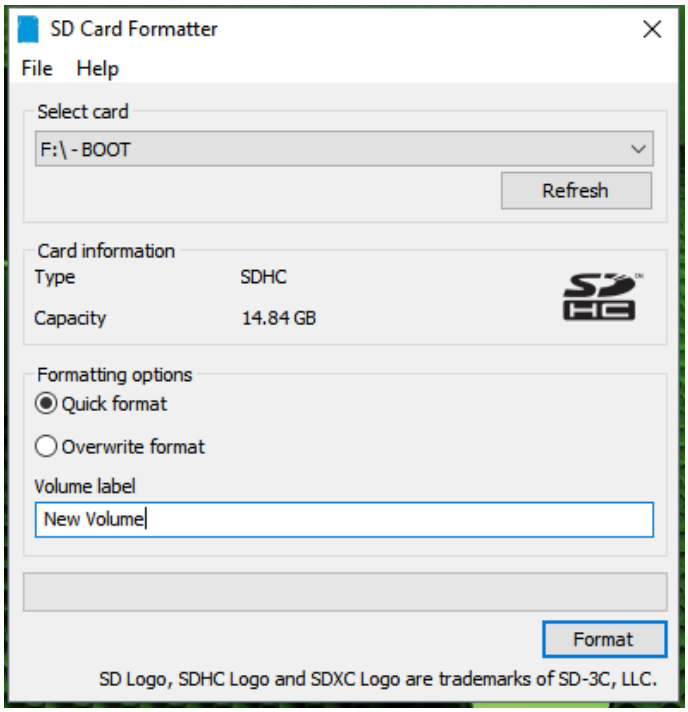
3. Preparing SD Card: Go to this link and click on "accept" to download "SD Card Formatter".



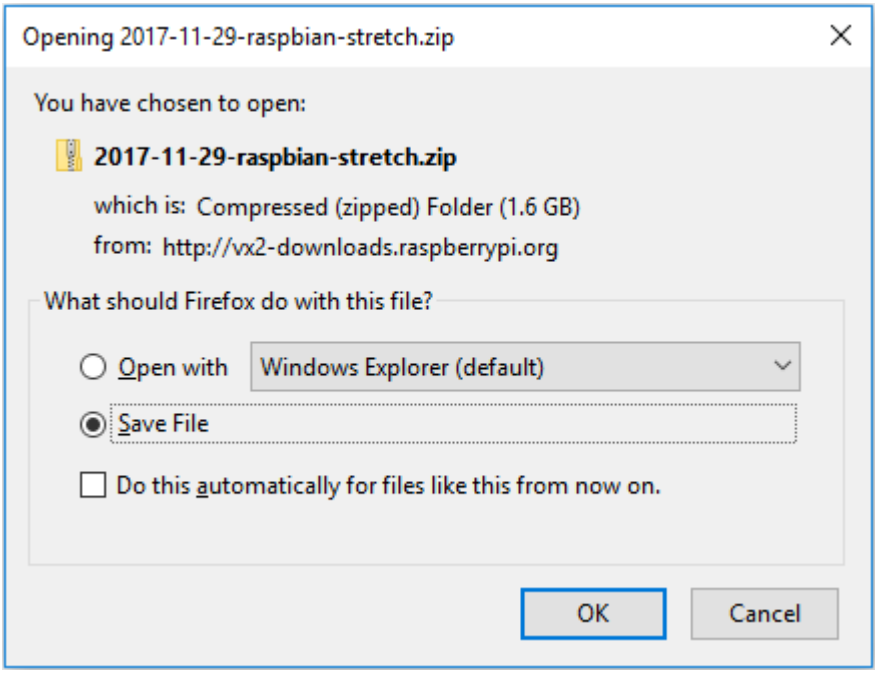
4. Install the "SD Card Formatter" by running the downloaded **".exe"** file.



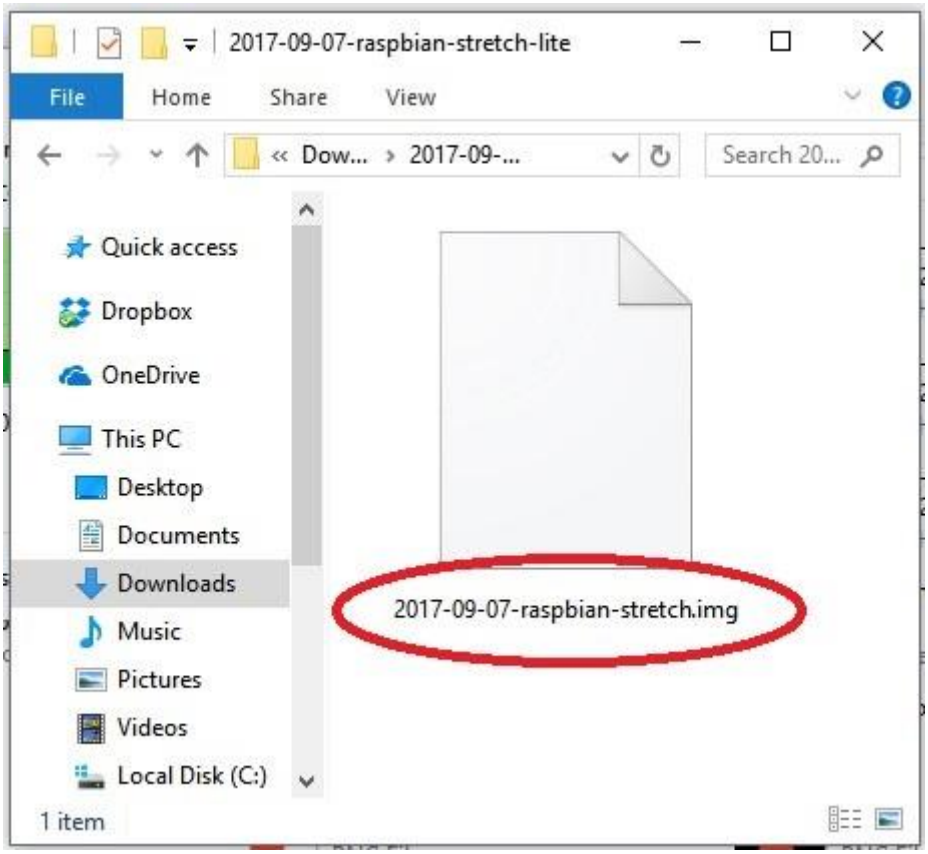
5. Connect a 16 GB/8 GB SD card with your computer, run the "SD Card Formatter" and format completely.



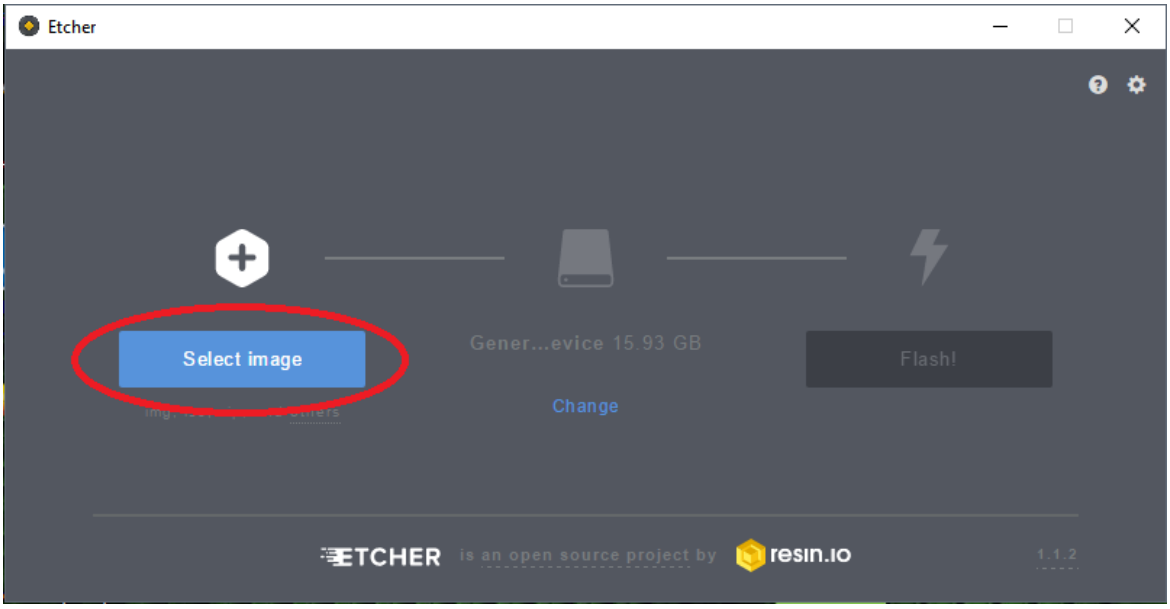
6. Downloading Operating System for Raspberry Pi: Click on this link and a download the latest version of Raspbian OS. Save the zip file.



7. Once the file is downloaded, right click on it and extract. You will find a **".img"** file in it named as **"2017-09-07-raspbian-stretch.img"**.

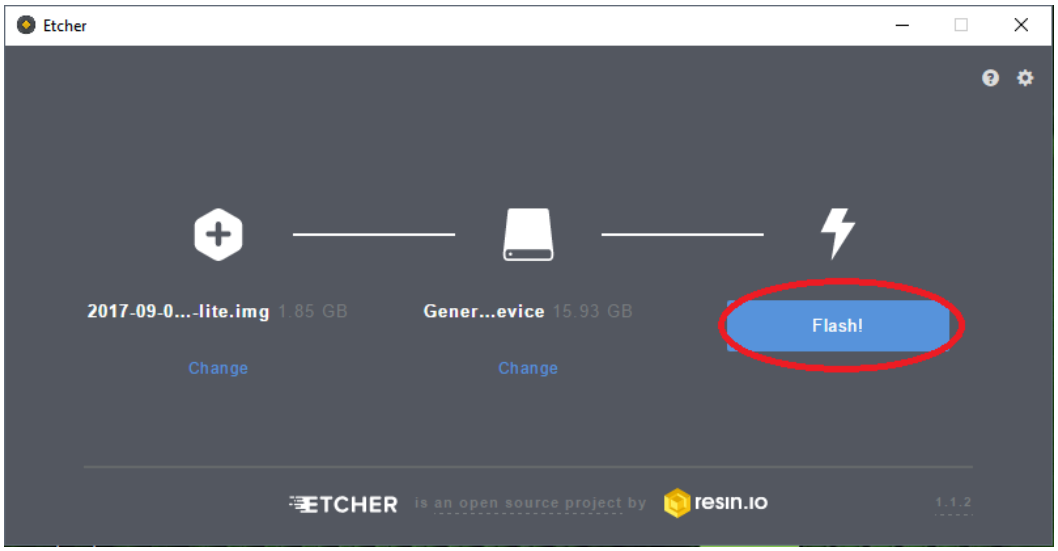


8. Run "Etcher", click on "Select Image" and select the "2017-09-07-raspbian-stretch.img" file mentioned above.



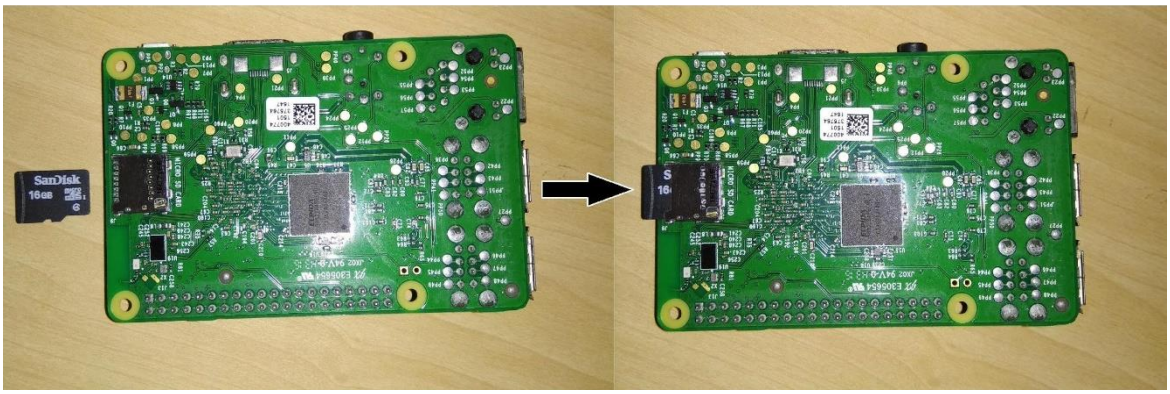
9. Once you select the Image, it automatically selects the SD card. If the selected card is not correct you can change it by clicking on "change" option.

10. Now click on "Flash" to start the installation of Raspbian in the SD card.



11. SD card is ready for the first boot.

12. Insert SD card in the slot given in the Raspberry Pi.



13. Power it on using micro USB adapter with appropriate rating (Recommended: 5V, 2A).

Note: This is the end of Image burning process. To SSH you can use the below instruction.

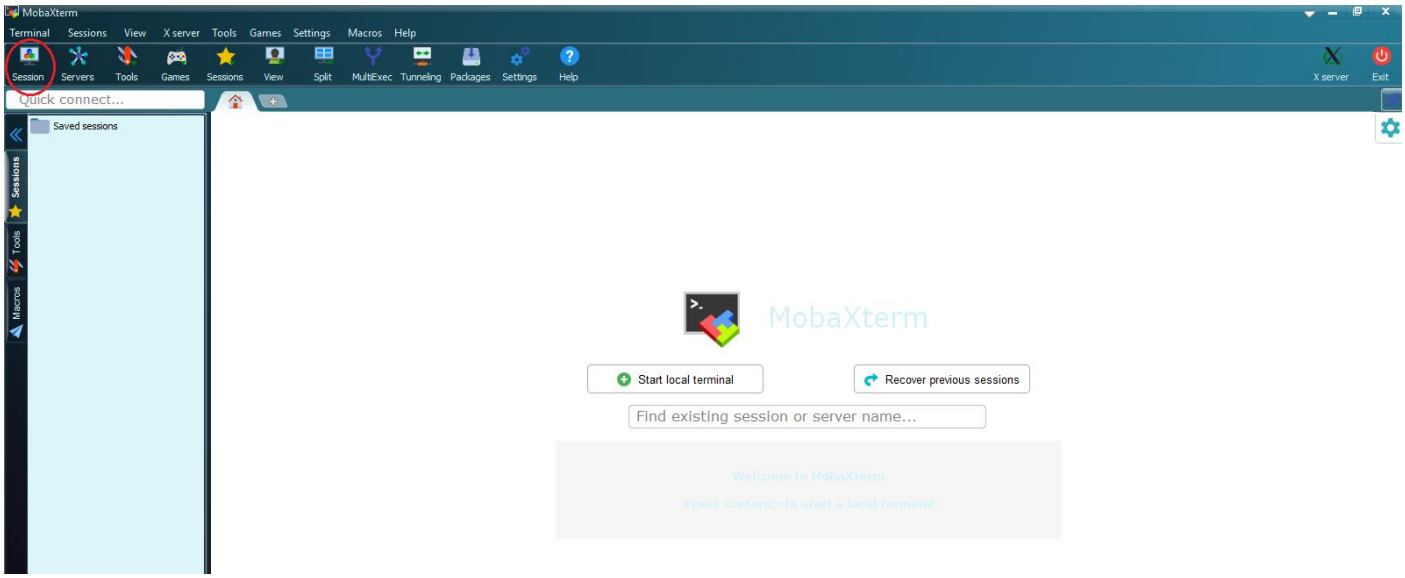
14. First boot might take a few minutes (usually 4-5 minutes).

15. Once the first boot completes, turn off the RPi3 and remove the SD-Card and connect the SD card to your computer through an SD-Card reader.

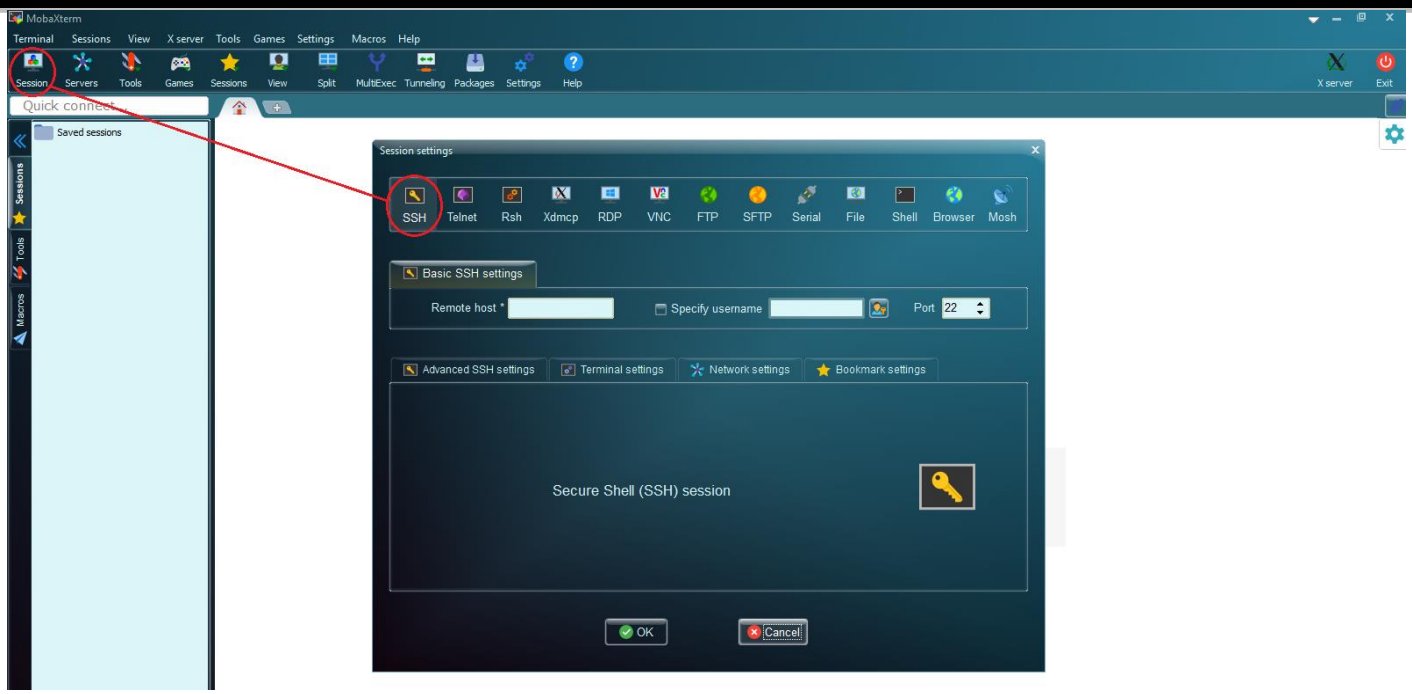
16. Then open this link and follow the instruction given to configure your RPi3 to connect to the Wi-Fi and getting ready for SSH.

In order to check your RPi3 installation, we will try to **SSH (Secure Shell)** into RPi3 after powering it on. To download click on MobaXterm and choose installer edition and install the same. Open MobaXterm and follow the following steps

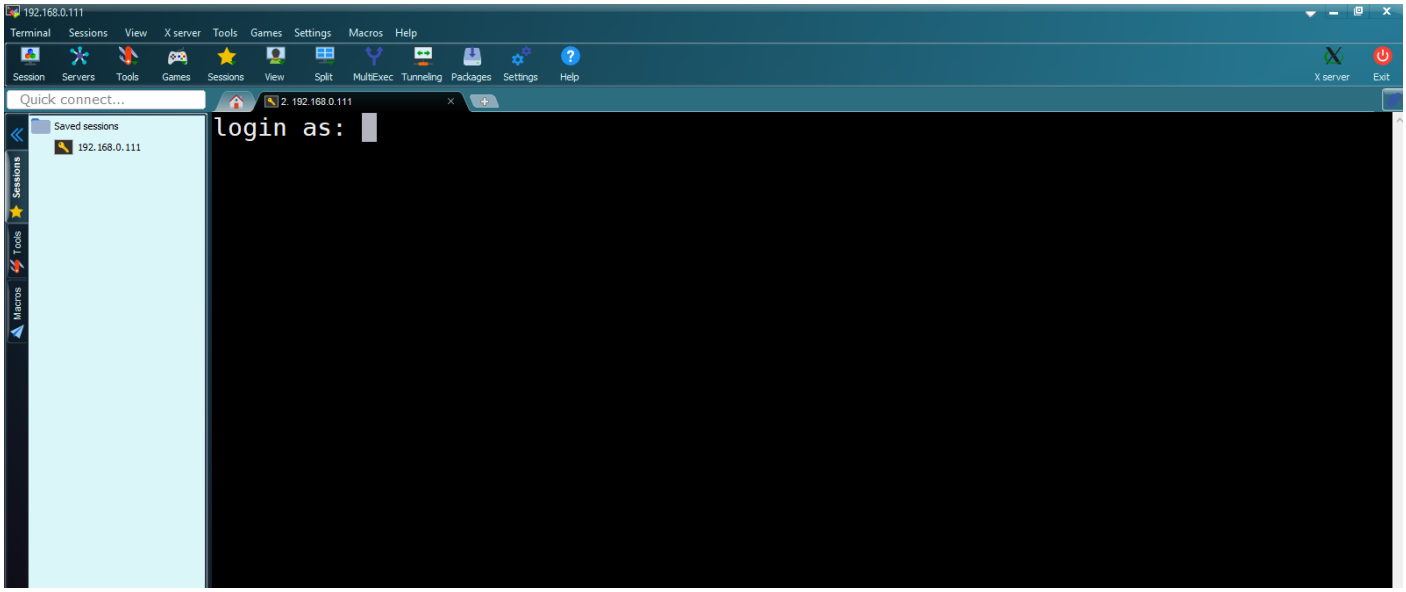
A. Once open we will see a window like below



B. Click on session icon on left top corner, on the session window you will find SSH icon, click on it, we should see a window like below.



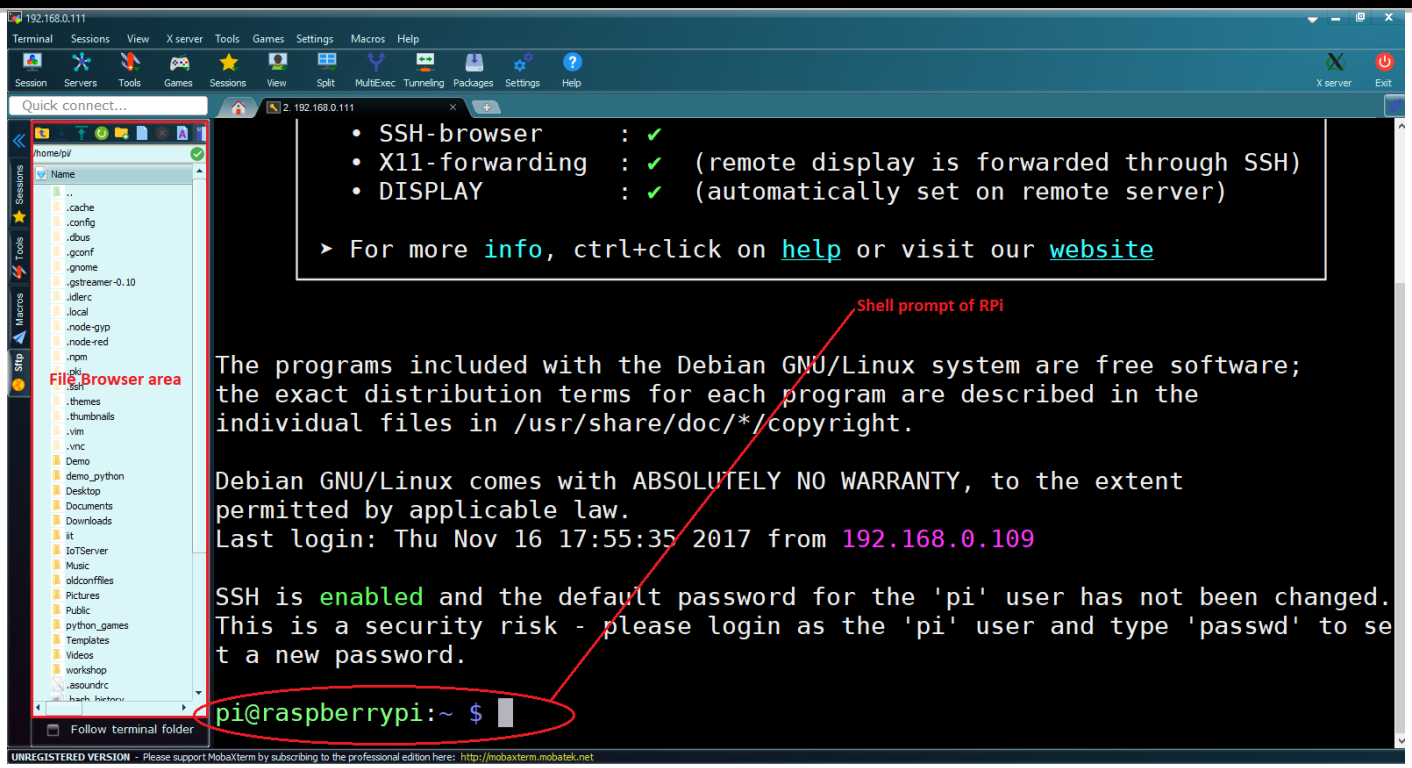
On the Basic SSH setting tab, type in your RPi3 IP address in the Remote Host field, we should see a login prompt window like below,



C. Enter the following credentials

- **login as: pi**
- **password: raspberry**

On successful login we should see a window like below, this will have two parts, left side portion will be “File browser area” from here you can navigate through RPi3 file system, and the right side black portion is our RPi3 shell prompt.


Shell prompt of RPi
File Browser area
Follow terminal folder
pi@raspberrypi:~ $