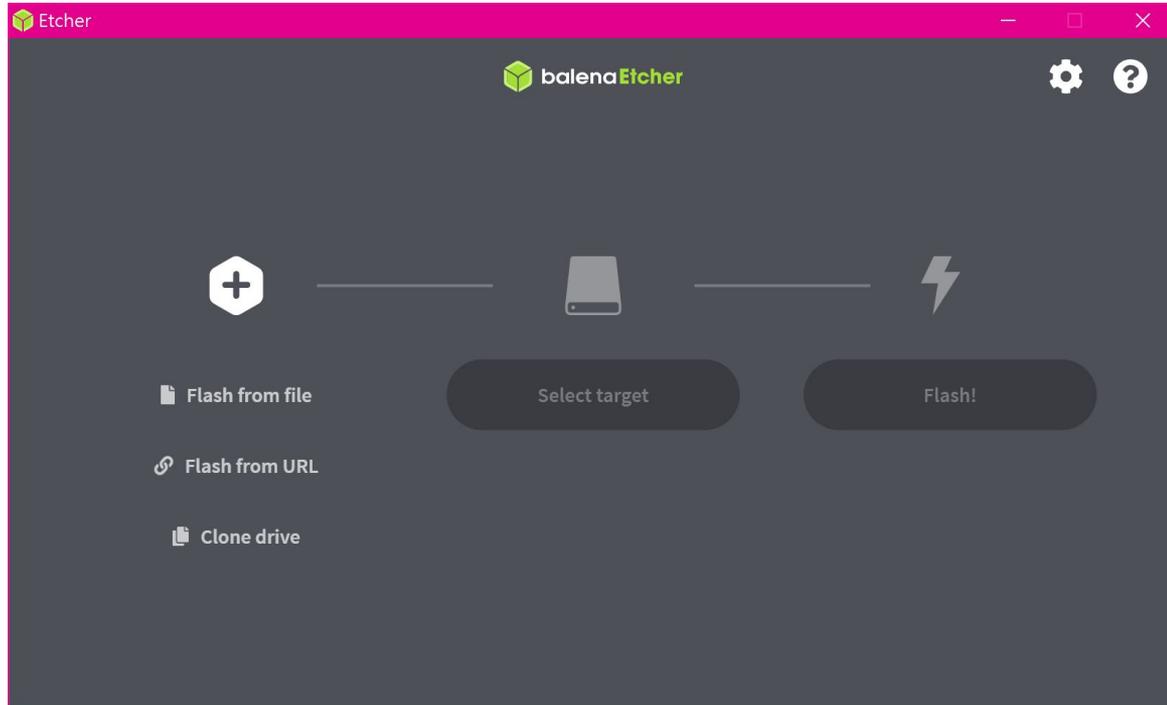# PYNQ-Z2 Setup

Flash Boot Image
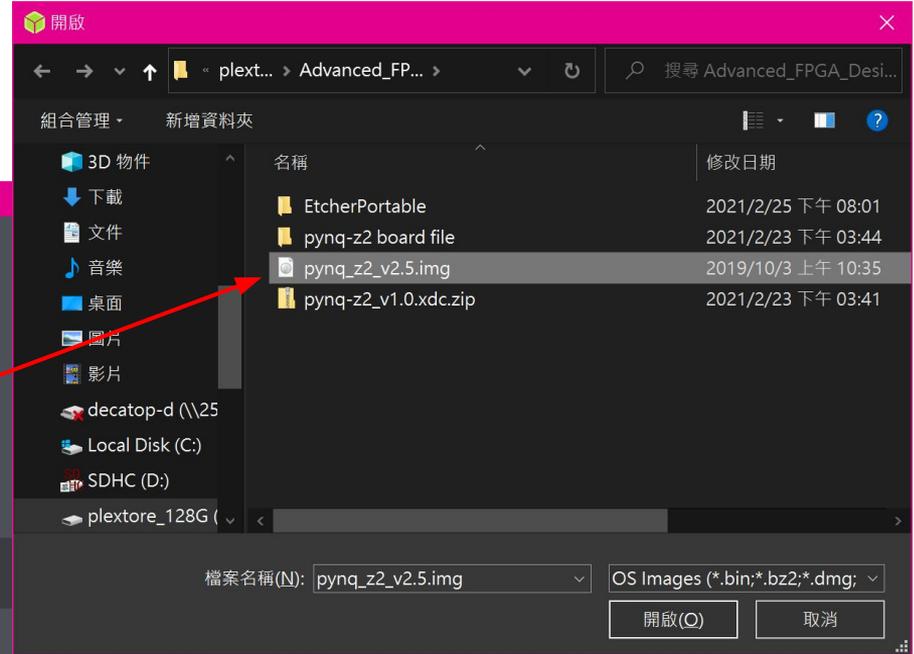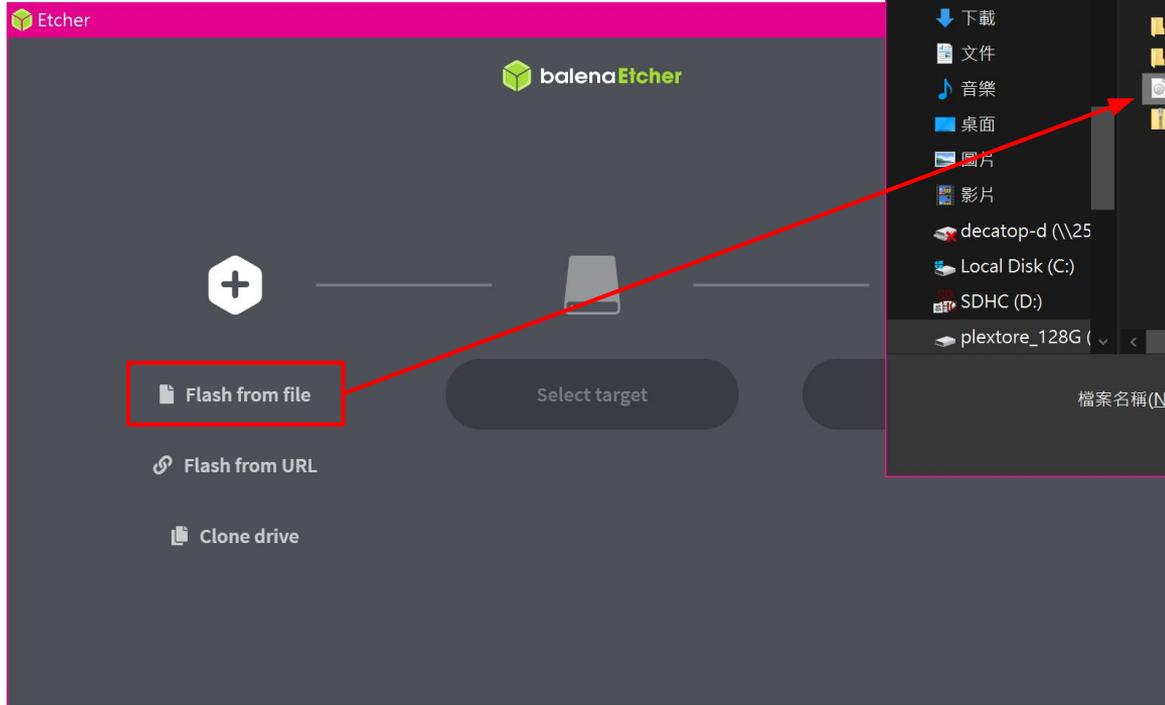
Mount SD card and open Etcher

Path:Desktop/Advanced_FPGA_Design/EtcherPortable/

Select img file

select pynq_z2_v2.5.img
Path:Desktop/Advanced_FPGA_Design/
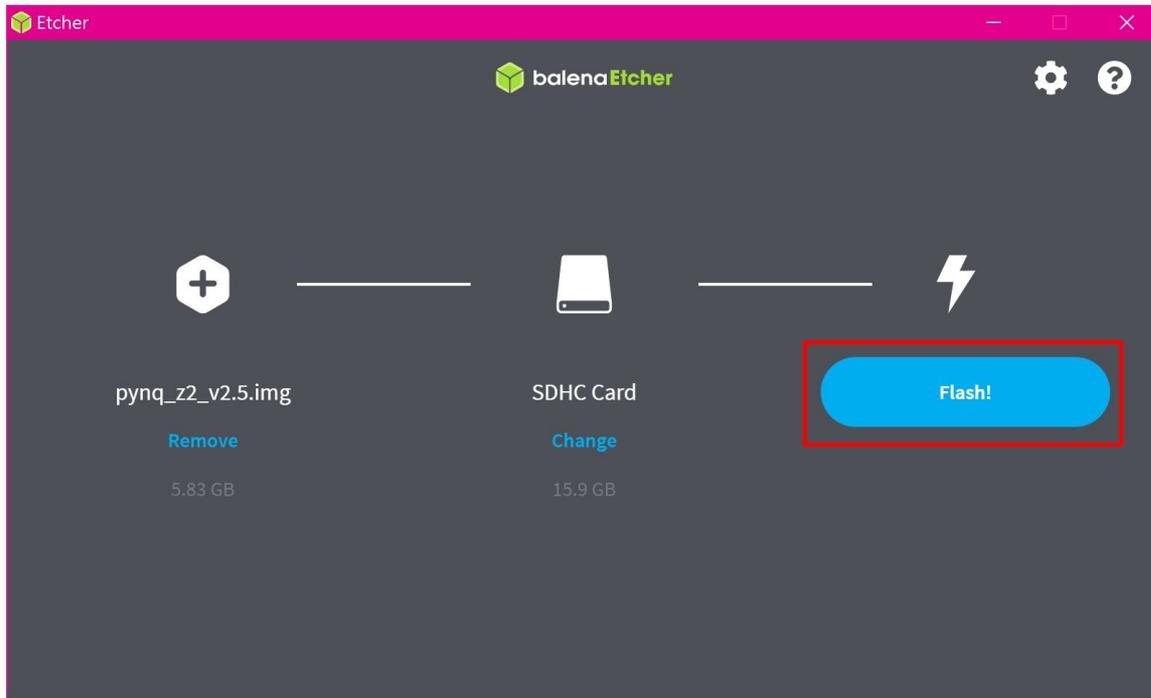
Select Target

select SDHC

Click Flash

Please make sure your etcher looks like this

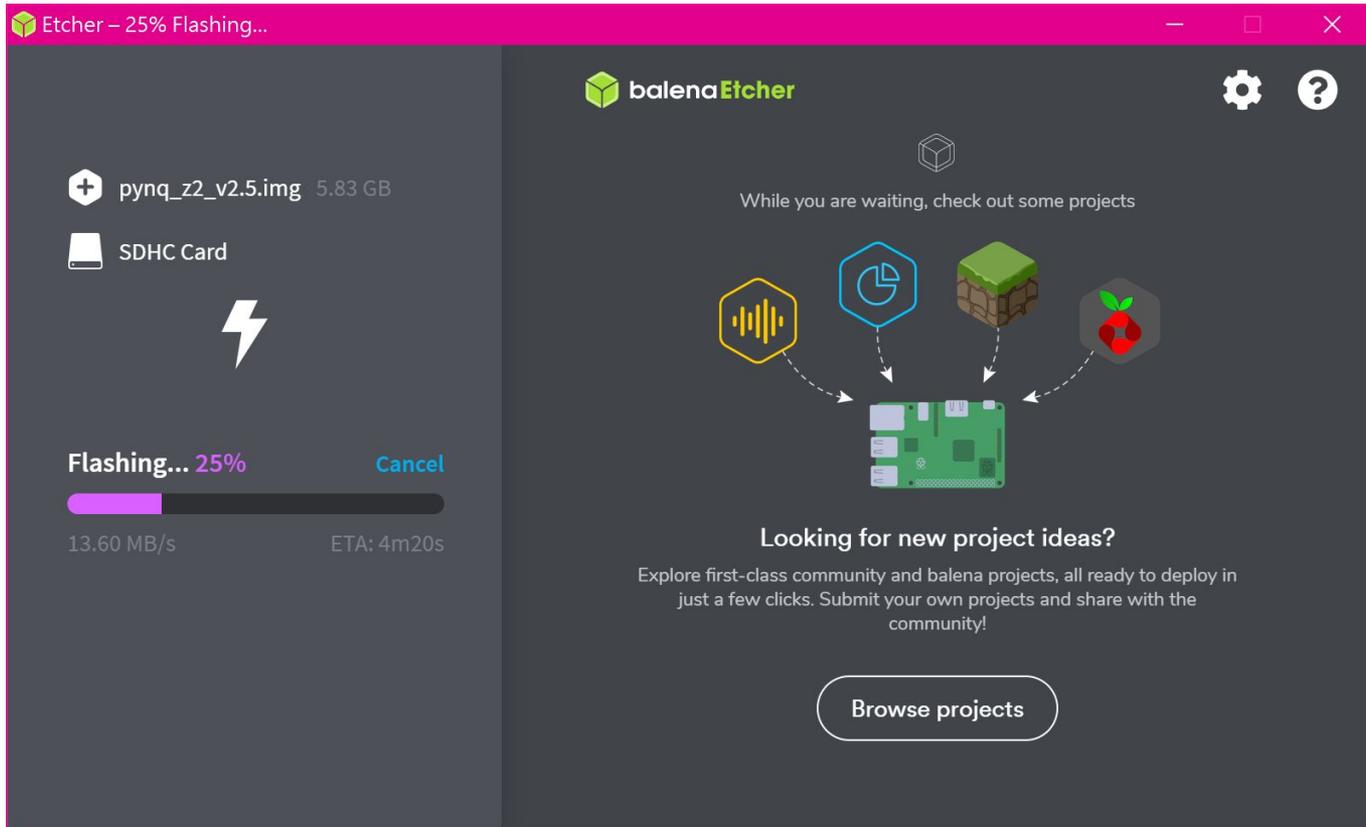# Select cancel and ignore error message if this pop out.
Do not format the disk manually!
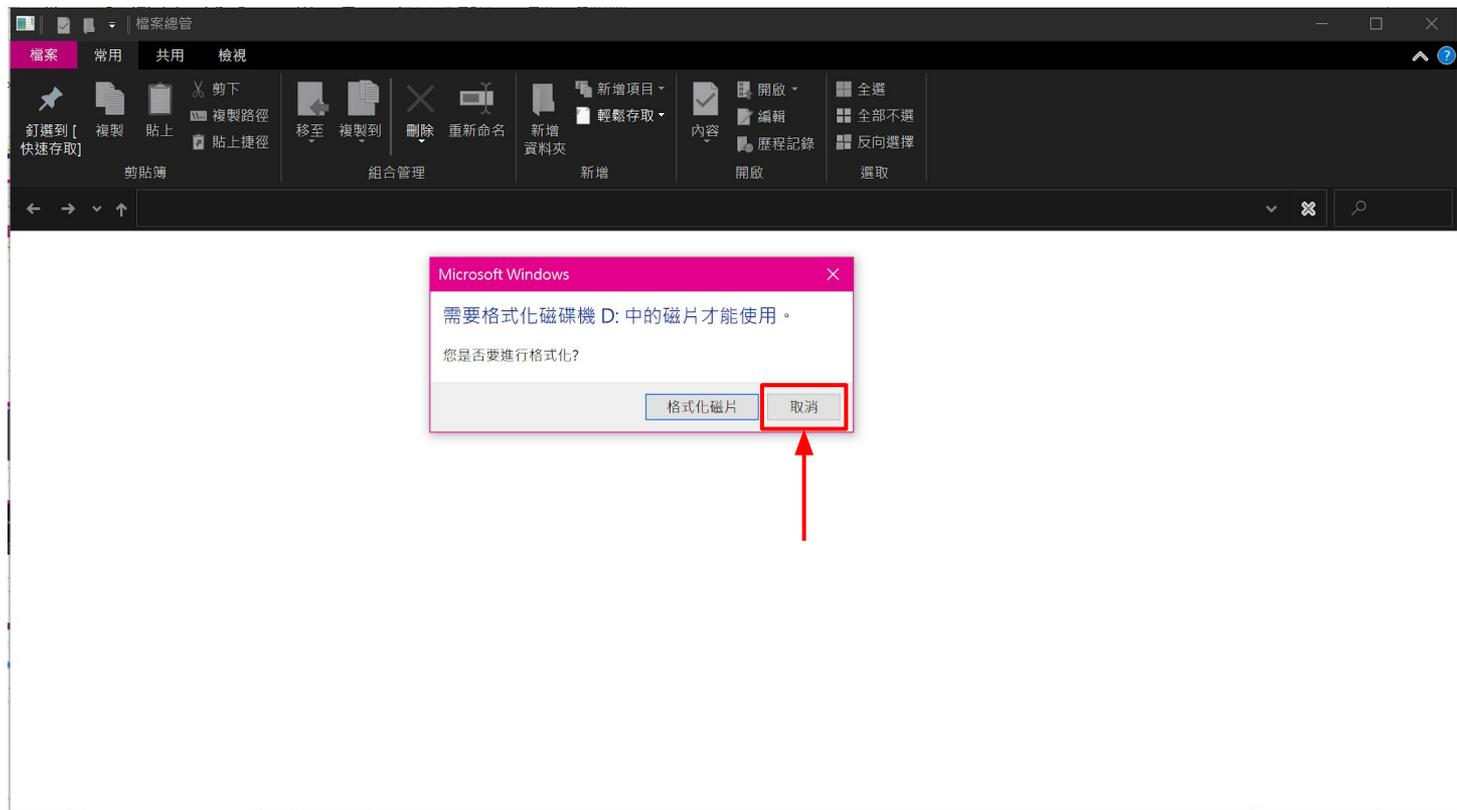
Make sure it's flashing and wait for it

Done!

PYNQ-Z2 board setup

Board set up

1. Set the ** Boot** jumper to the SD position.

2. set the **Power** jumper to the *REG* position.

3. Insert the Micro SD card (which you just flashed) into the **Micro SD** card slot underneath the board.
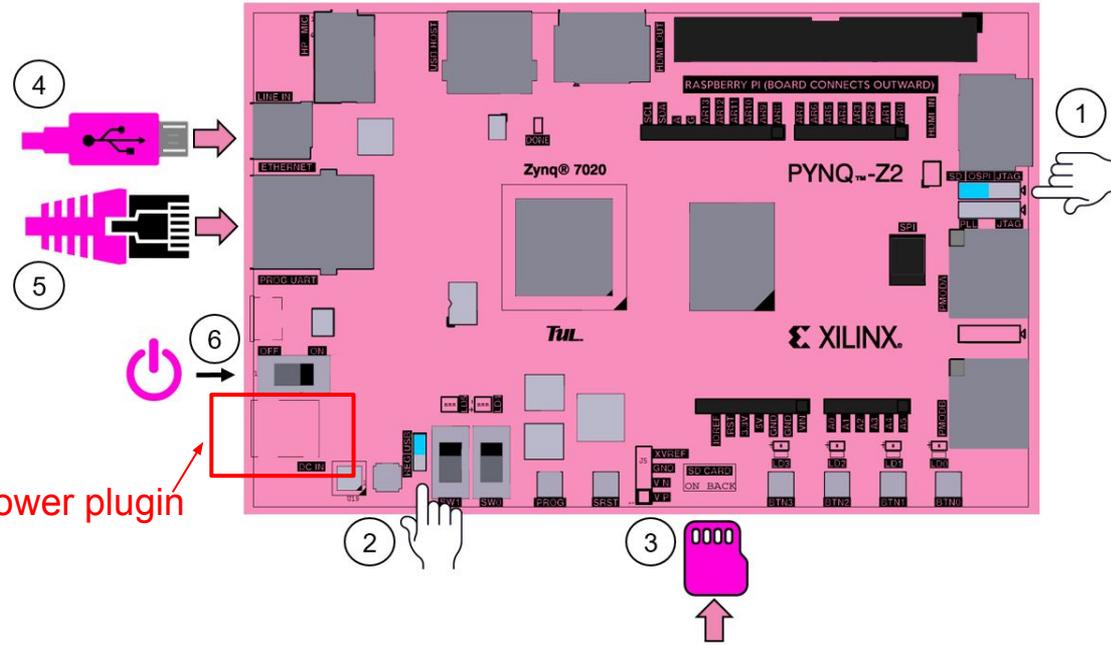
4. Connect the USB cable to your PC/Laptop, and to the **PROG - UART** MicroUSB port on the board

5. Connect the Ethernet port to your PC.

**Please plugin external DC 12V power!

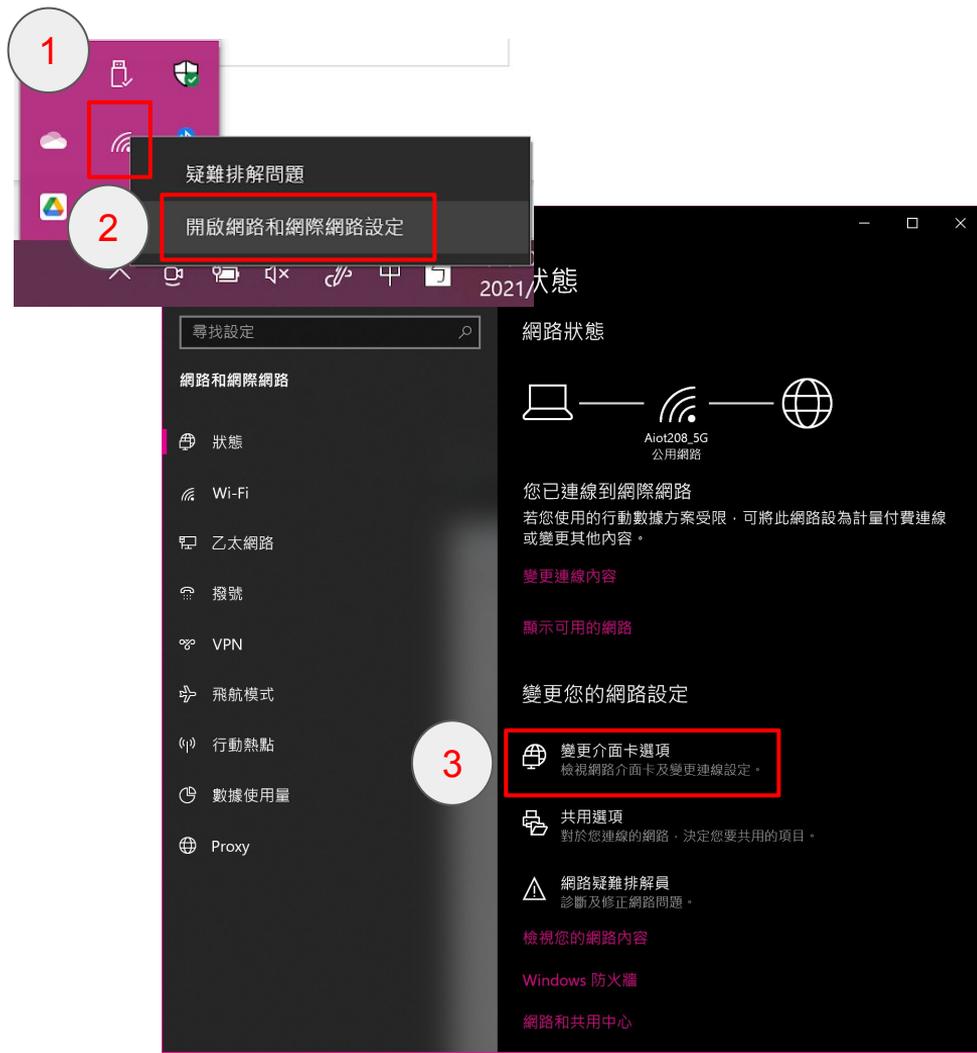6. Turn on the PYNQ-Z2

**Power plugin

Host setup

1.Right click on Internet icon

2.Click open settings.

3.Click change settings.

Host setup

4. Right click on ethernet with *'unidentified internet'* and select info(R).

5.Select (TCP/IPv4) and click info(R)

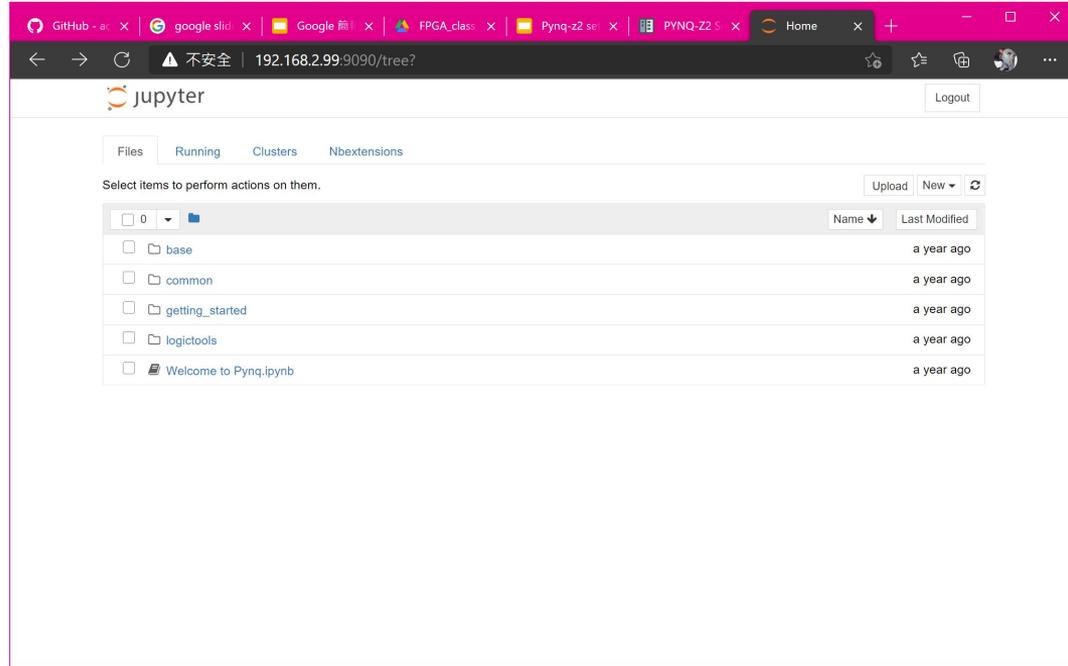6.Set the IP address to 192.168.2.1

and mask to 255.255.255.0

Login PYNQ

1.Open browser

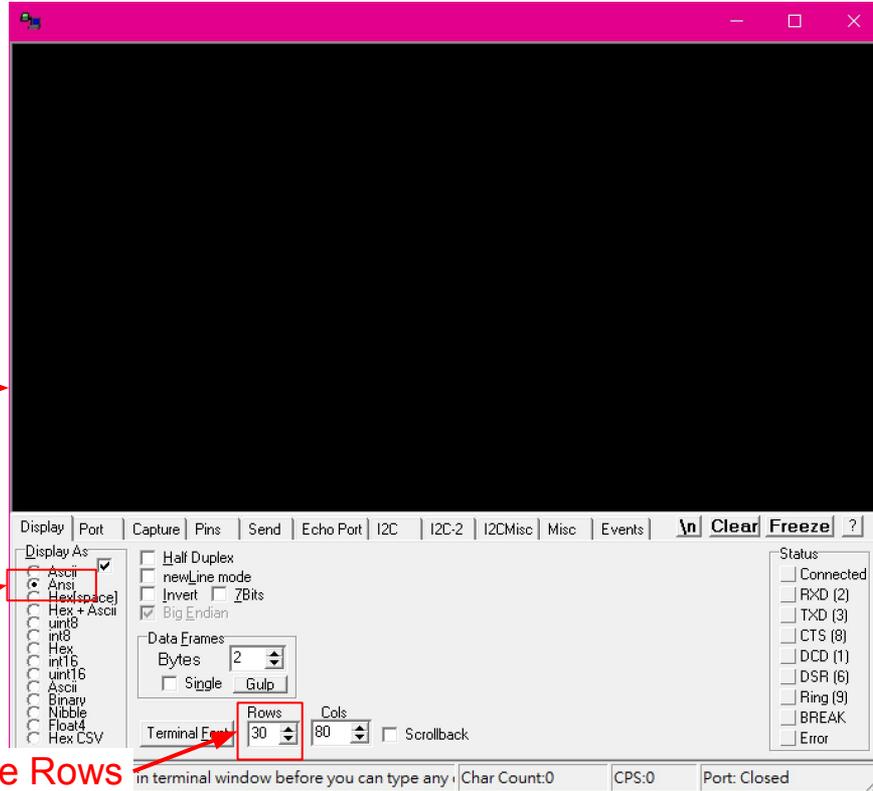2.Browse https://192.168.2.99:9090/

password:xilinx

Stetup realterm

(You can skip this setup if you login the PYNQ successfully)

Open realterm on the Desktop
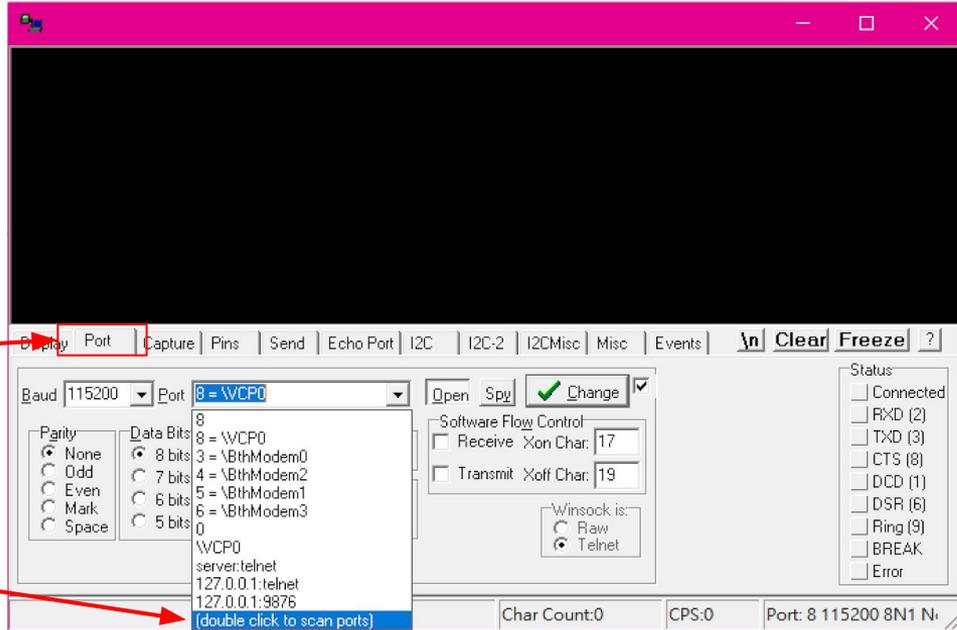

Select Ansi

change Rows

Scan ports

select "double click to scan ports" and look for new port '(num) = \VCP0'

Setup Port configuration

Check ip status

1. Click this area and press enter

2. when `xilinx@pynq:~$` show up, enter `ifconfig` command

3. if 192.168.2.99 shows, means board set up successfully.