Khoi Duong

Prof. Yang

CE450

9/30/2022

Lab #1

Raspberry Pi with case and adapter

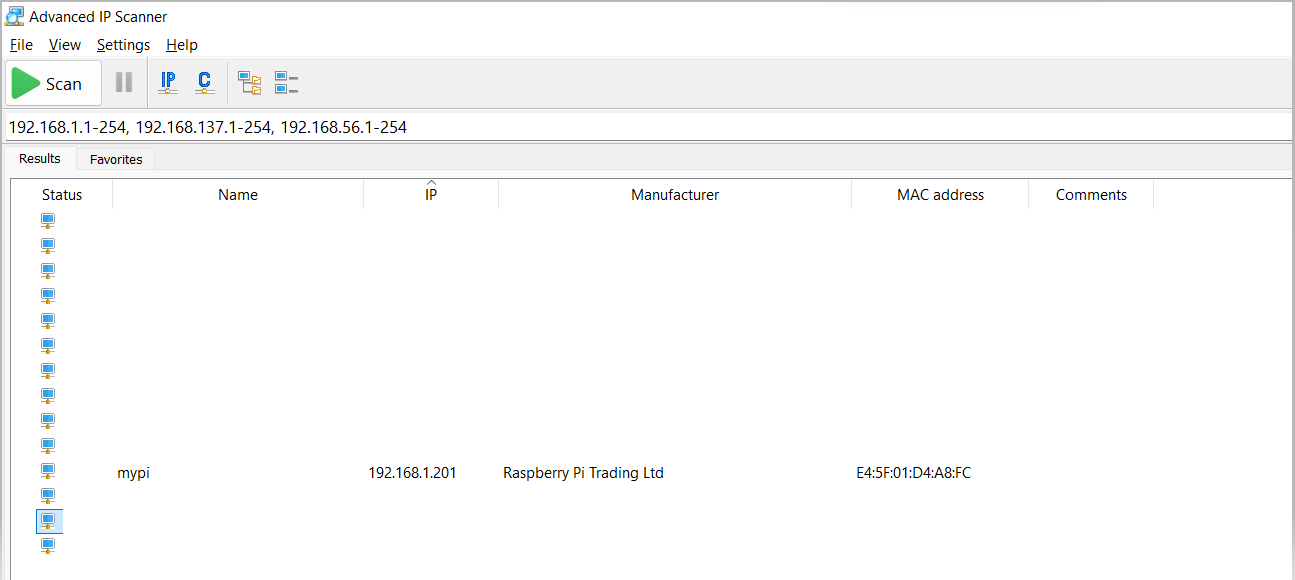


Plug in the Raspberry Pi

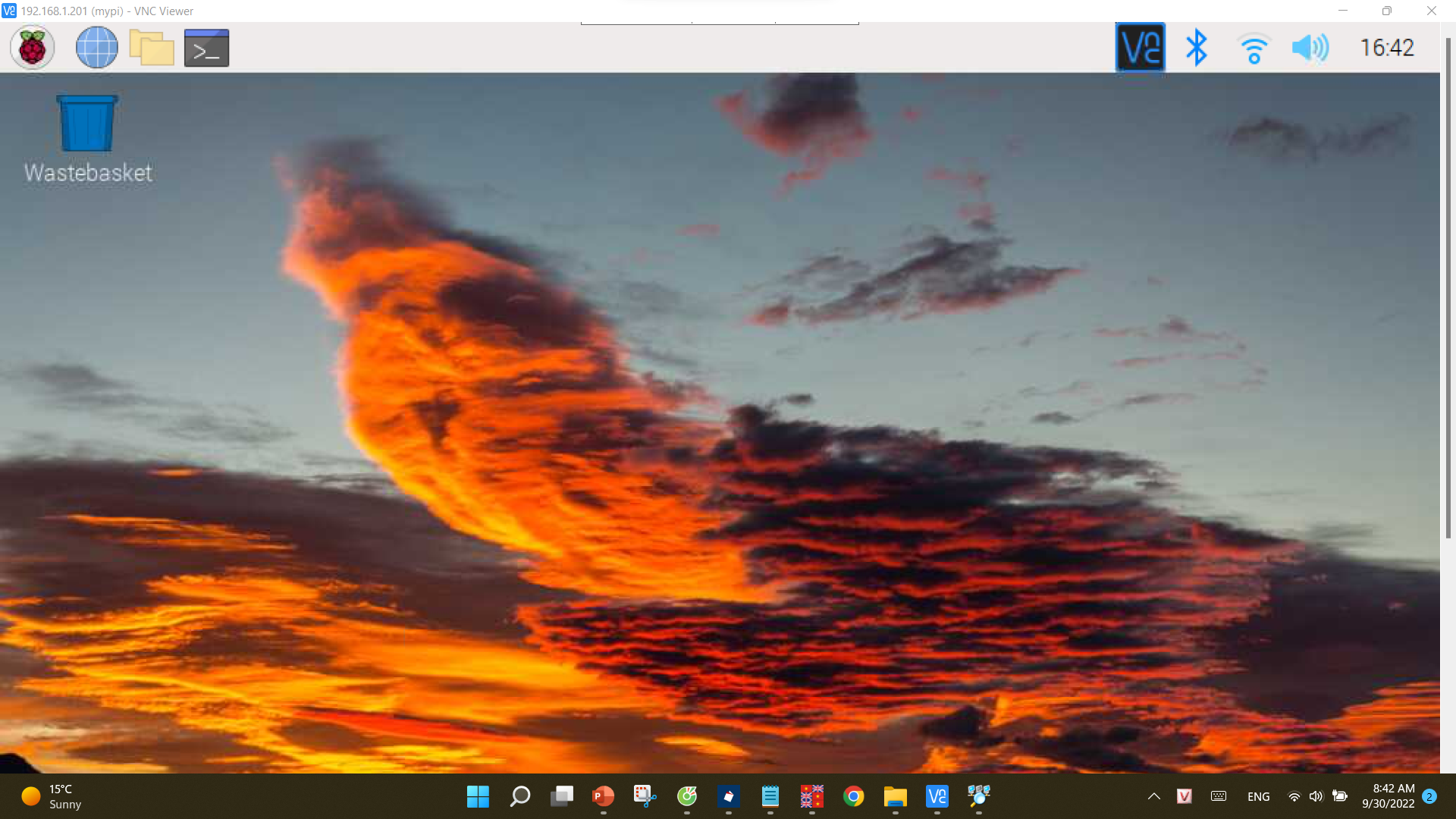
We make sure that the laptop and Rasp Pi are connected to the same WiFi network.

Then I use Advanced IP Scanner to detect the IP address of Rasp Pi (since my laptop does not have an Ethernet port). And I got the result below:





Open VNC Viewer and connect to Rasp Pi through the IP address.



Wireless communication to the laptop is set up.

The result is the screen of Raspberry Pi through VNC Viewer.

Since I don’t have the monitor and the laptop does not have an Ethernet port, I take references from:

<https://beebom.com/how-setup-raspberry-pi-without-monitor-ethernet-cable/>

<https://www.tomshardware.com/reviews/raspberry-pi-headless-setup-how-to,6028.html>

The steps I made are:

1. Format the SD Card and write the Rasp Pi OS into the card.
2. Create an SSH file and CONF file which contain the WiFi SSD and password in order to pre-set up the WiFi information for the board.
3. Insert the SD Card into the board
4. Put in the case and plug in
5. At this time, the board will automatically connect to the WiFi based on the information and key we already gave to the SD Card.
6. Use Advanced IP Scanner to collect the Rasp Pi IP address
7. Connect wirelessly to the board via VNC Viewer