**MODULE 2 Lesson 3, Raspberry Pi based twitter bot**

Tutorial link: <https://www.instructables.com/id/Raspberry-Pi-Twitterbot/>

Plugging in raspberry pi: <https://projects.raspberrypi.org/en/projects/raspberry-pi-setting-up/4>

Order is: sd card, mouse and keyboard, (turn on hdmi display) hdmi, usb power (to outlet then to port)

Command prompt nmap for ping IP address: nmap -sP 192.168.1.0/24

Underlined portion comes from laptop IP.

Connect to laptop: <https://maker.pro/raspberry-pi/tutorial/how-to-connect-a-raspberry-pi-to-a-laptop-display>

Or: <https://www.makeuseof.com/tag/run-remote-desktop-raspberry-pi-vnc/>

Get ip for laptop: <https://www.tp-link.com/ae/support/faq/838/>

Search network and sharing center, click change adapter settings on the left, right click the wifi your connected to and hit status. Click details if not displayed right away

IPv4 192.168.1.66

Raspberry is 192.168.1.87

Subnet is 255.255.255.0

**HOTSPOT pixel:**

Laptop:192.168.43.52.

Raspberry: 192.168.43.60

How to find raspberry pi ip: <https://www.raspberrypi.org/documentation/remote-access/ip-address.md>

Command prompt: nmap –sn 192.168.1.0/24 to scan

To run on laptop:

Search “remote desktop connection” on windows

Enter ip of raspberry on comuter.

Connect, and hit ok on warning

Enter “pi” as username and “admin” as password -> admin was changed to be password

<https://www.makeuseof.com/tag/securing-raspberry-pi-passwords-firewalls/>

* To change password on raspberry prior to connect:
* Run raspi-config, then choose change password. Type and retype new password

**Run Twitterbot:**

Type sudo bash before beginning:

Write script with: nano tweet\_test.py

Run script with: python tweet\_test.py

**Twitter Bot info:**

AFwbmIwUvd7Cy6M7WQ3b9jtUv (API key)

vN0C5v3Jh0SCxu9zU2ns5E9evOOnCSjYUnhfUK9J0bXqakCVJm (API secret key)

1175098845648146432-2W9UC6iX0OY1mbqq5s96ubtVY7RqiD (Access token)

U1IDk2Fzx9wFbGZltYbLgsLlBZpUizuv6MIHPe5CX2Fs0 (Access token secret)

Read and write (Access level)

**Raspberry tips for errors:**

Run: dmesg | grep (part) to search for certain messages in dmesg.

I cannot run su without authentication error:

Use sudo bash. Or try-

<https://askubuntu.com/questions/446570/why-does-su-fail-with-authentication-error/446572>

Open root with sudo -s and when it's in this mode type:

passwd

Then, choose password. This password will be for su command.