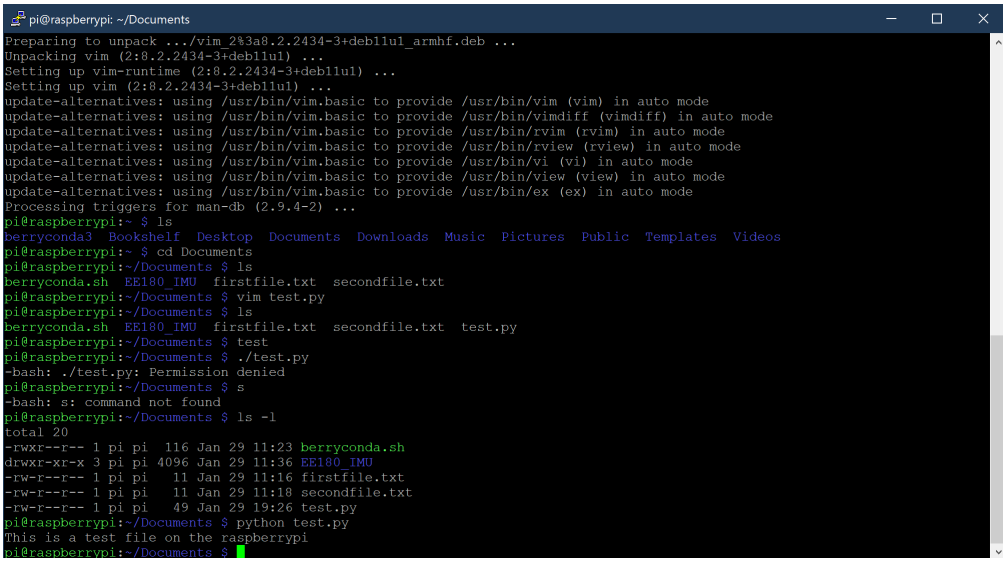
EC ENGR 180DA, Winter 2022: Kellen Cheng (905155544)
MCU Lab (Partners: Ryan Doan, Newton Yee, Grace Zhao)
Due 3 February, 2022 at 7:00 PM

1 MCU Lab

(a) **Solution:** (Task 1) Please see the below image for proof of the working RaspberryPi in the setup.

(b) **Solution:** (Task 2) We have successfully cloned the required repositories onto the RaspberryPi. Additionally, Conda and also Vim editor have both been installed onto the microcontroller.

(c) **Solution:** (Task 3) Please see the below image for proof of a working SSH connection into our RaspberryPi, which runs the python file titled "rpi-test.py" on my Github repository (renamed from "test.py" on the MCU to be distinguishable).



(d) **Solution:** (Task 4) The code has been cloned and pushed onto my own repository in the repository titled "180DA-WarmUp" in the MCU folder.

(e) **Solution:** (Task 5) One of the main difficulties we encountered was the lack of the RaspberryPi required. As a result, our group met in person to share access to the microcontroller so that everyone could walk through the lab. Additionally, regarding the MCU itself, the main difficulty was getting started with the connection, as we spent an hour debugging why the SSH connection would not work.