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<u>Weekly Lab Report</u>

1. What did you plan to do last week?
    - Last week, I planned to finish Tutorial 1 which included
        i. Flashing the SD card
        ii. Being able to access the pi using a wired connection
        iii. Access the raspberry pi using ssh (wireless)
2. What did you end up doing last week?
    - I did what I set out to do which was finish Tutorial 1
    - I did not explore MQTT last week though
    - I also changed the hostname to kittyslayer instead of raspberrypi.local so I didn't clash rpi's with my roommate
    - I pushed the required code and screenshots to my github (jackeelam/180DA-WarmUp)
3. What do you plan to do this week?
    - This week I plan to complete Tutorial 2 and learn more about MQTT
    - I would like to edit the code given about MQTT to send things other than a regular string or number
        i. Explore JSON strings and sending python dictionary objects

```
Send `{"fries": 1, "burgers": 2, "shakes": 3}` to topic `/python/mqtt`
Send `{"fries": 1, "burgers": 2, "shakes": 3}` to topic `/python/mqtt`
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    msg_obj = json.loads(msg_str)
NameError: name 'json' is not defined
[pi@kittyslayer:~/Desktop/EE180DA/180DA-WarmUp/Week_2 $ nano test_sub.py
[pi@kittyslayer:~/Desktop/EE180DA/180DA-WarmUp/Week_2 $ python3 test_sub.py
Connected to MQTT Broker!
Object type:  <class 'dict'>
Received `{"fries": 1, "burgers": 2, "shakes": 3}` from `/python/mqtt` topic
Object type:  <class 'dict'>
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