**POST LAB EXERCISES**:

1) Modify the python code to display your Name.

**Steps to follow to Write Publisher and Subscriber for ROS Topics:**

**Publisher**

• **Step 1.** Determine a **name** for the topic to publish

• **Step 2.** Determine the **type** of the messages that the topic will publish

• **Step 3.** Determine the **frequency** of topic publication (how many messages per second)

• **Step 4.** Create a publisher object with parameters chosen

• **Step 5.** Keep publishing the topic message at the selected frequency

**Subscriber**

• **Step 1.** Identify the **name** for the topic to listen to

• **Step 2.** Identify the **type** of the messages to be received

• **Step 3.** Define a callback function that will be automatically executed when a new message is received on the topic.

• **Step 4.** Start listening for the topic messages

• **Step 5.** Spin to listen for ever (in C++)

2) Write a python code in your 'scripts' folder to draw the letter 'D' using turtlesim.

3) Write a python code in your 'scripts' folder to draw a hexagon using turtlesim.

**Prepare a word document in to include the following:**

* Aim
* Methods (Write about the procedure followed, commands used)
* Python program
* Screenshot of your result

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