

Steps to work with python codes in mongotest.py, dioty_mqtt.py

Setup steps for MongoDB:

1. Install the Python driver called, "PyMongo": `python -m pip install pymongo`
2. This is an optional step: Make changes inside `mongotest.py` for inserting documents into a collection of your database. The python code in `mongotest.py` can run even without changing anything inside it
3. Run code: `python mongotest.py`

Setup steps for MQTT:

1. Install PAHO MQTT: `pip -m install paho-mqtt`
2. This step is needed to create your account in an online MQTT broker which has a dashboard to show your messages. Here DioTy MQTT is used as it is a free online MQTT service
3. See your DioTy MQTT account and make changes to python code in `dioty_mqtt.py`. Make changes to `root_topic` in the code by checking your `root_topic` under My DioTY tab which appears at the top of dioty account page. Make changes to host, port, id, password in python code of `dioty_mqtt.py` by checking connection settings under Get Started tab among all the tabs that appear at the top
4. Run code: `python dioty_mqtt.py`
5. Check your dioty dashboard under My DioTY tab to see your messages