

ASSIGNMENT 4

- **Python Code:**

```
import wiotp.sdk.device
import time
import random

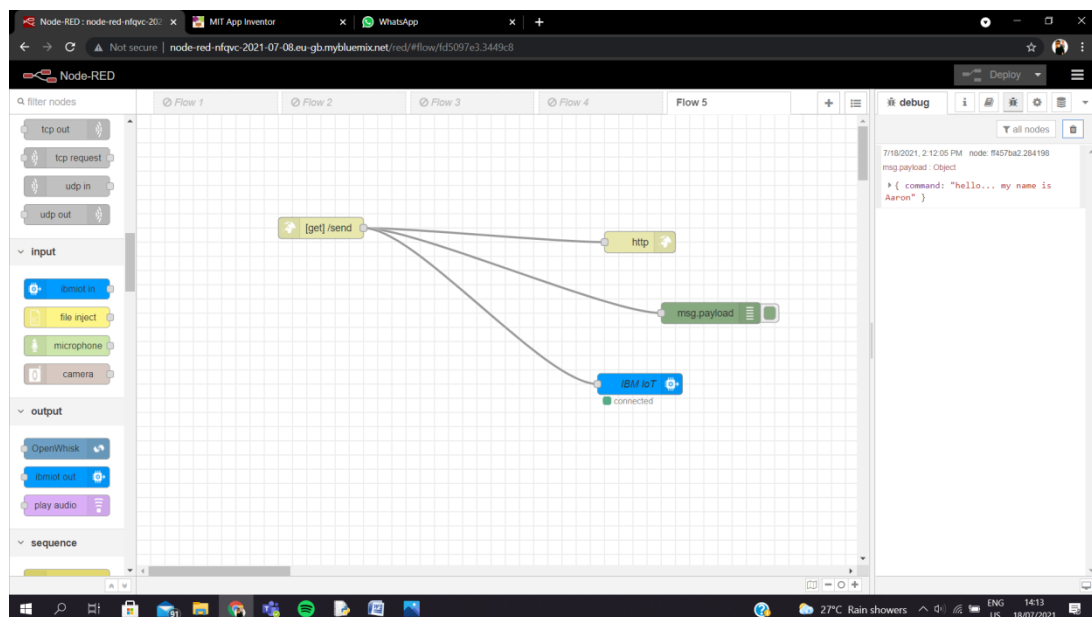
myConfig = {
    "identity": {
        "orgId": "jt2v00",
        "typeId": "VITDevice",
        "deviceId": "12345"
    },
    "auth": {
        "token": "987654321"
    }
}
```

```
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    print()
```

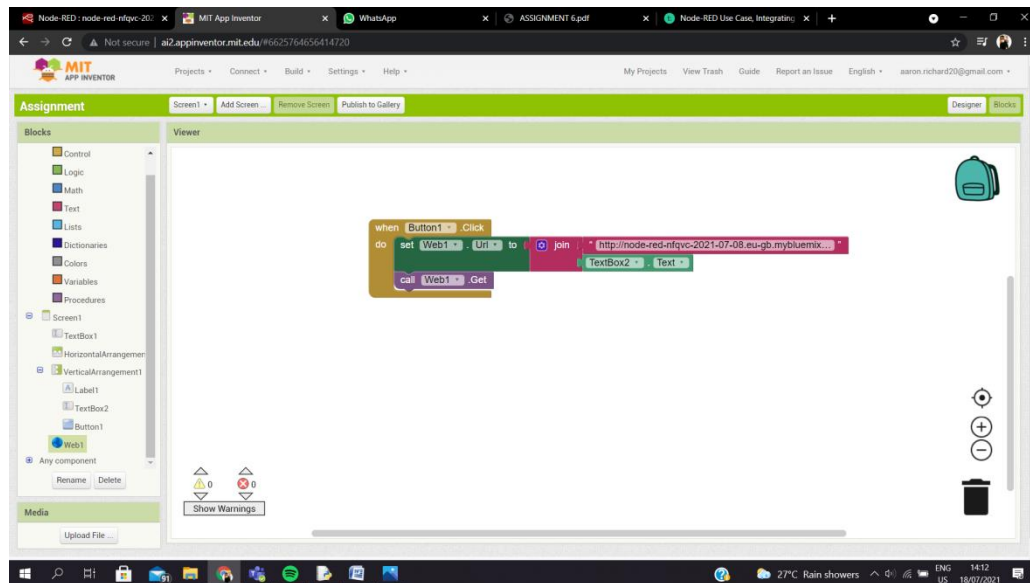
```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```

```
while True:
    client.commandCallback = myCommandCallback
    time.sleep(2)
    client.disconnect()
```

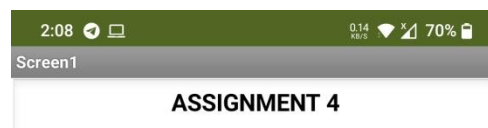
- **Node Red Flow:**



- MIT App Inventor Block:



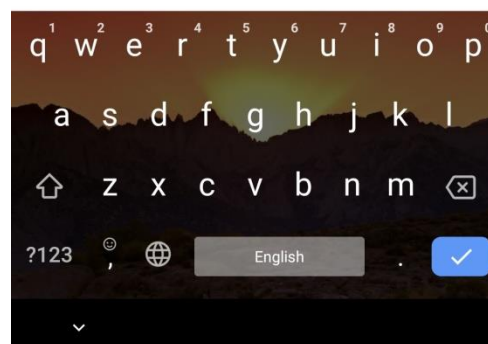
- Input:



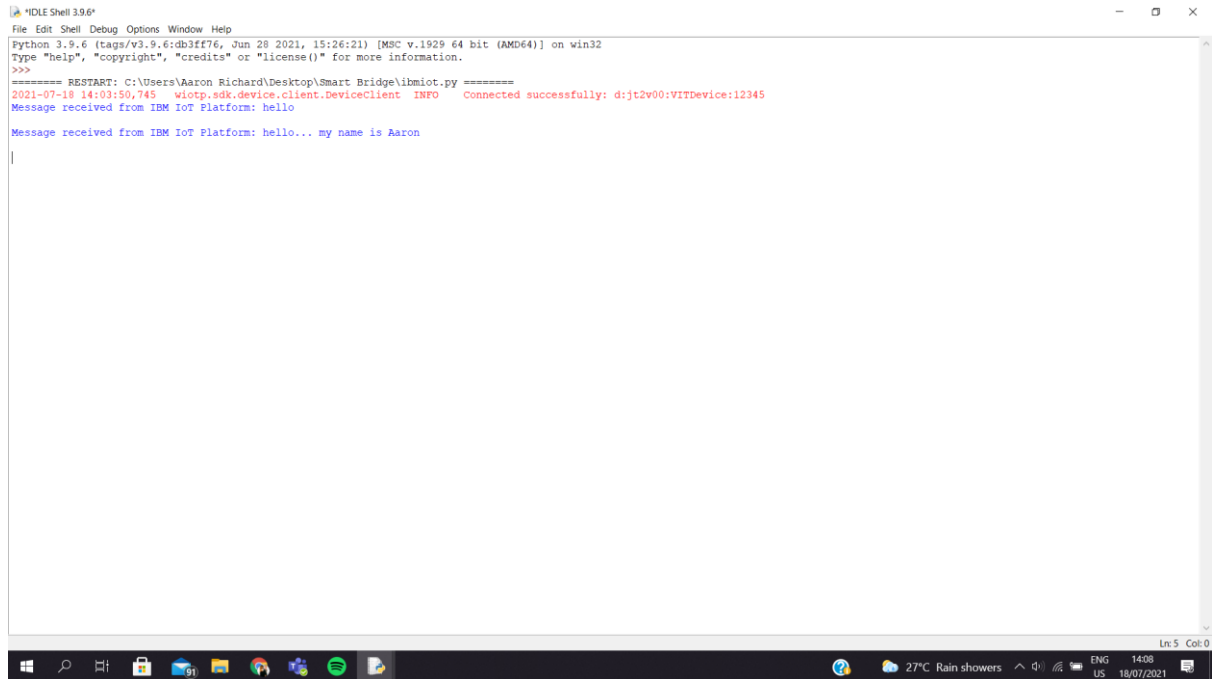
Enter The Input:

hello... my name is Aaron

SEND



- **Output (Python Shell):**



```
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Aaron Richard\Desktop\Smart Bridge\ibmiot.py =====
2021-07-18 14:03:50,745 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:jt2w00:VITDevice:12345
Message received from IBM IoT Platform: hello
Message received from IBM IoT Platform: hello... my name is Aaron
|
```