# ASSIGNMENT-4

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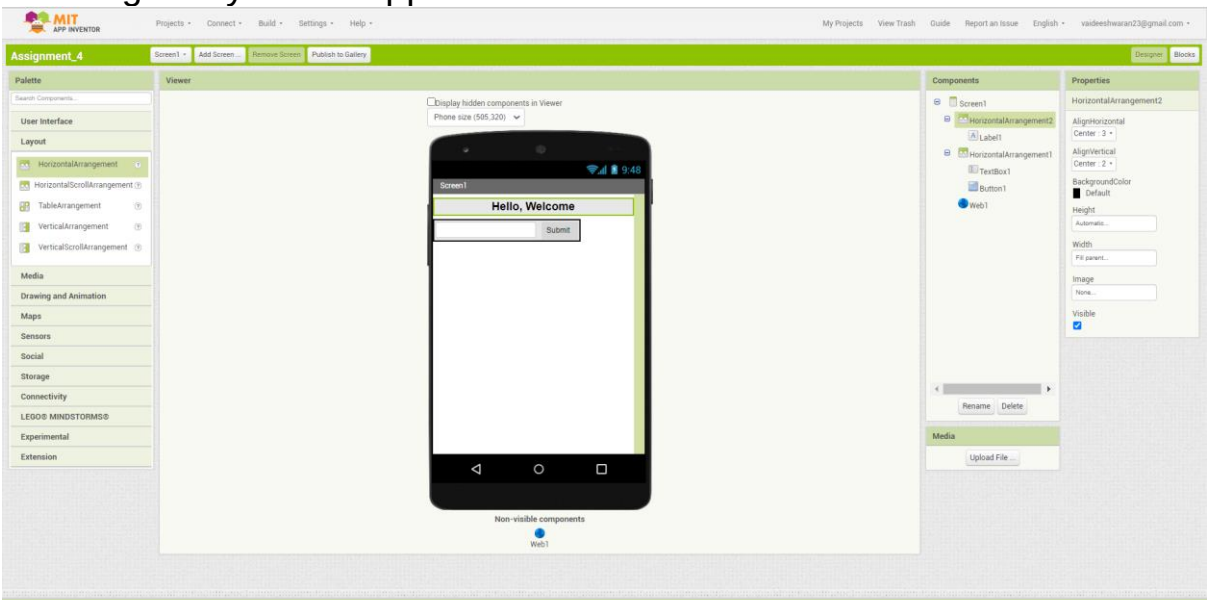
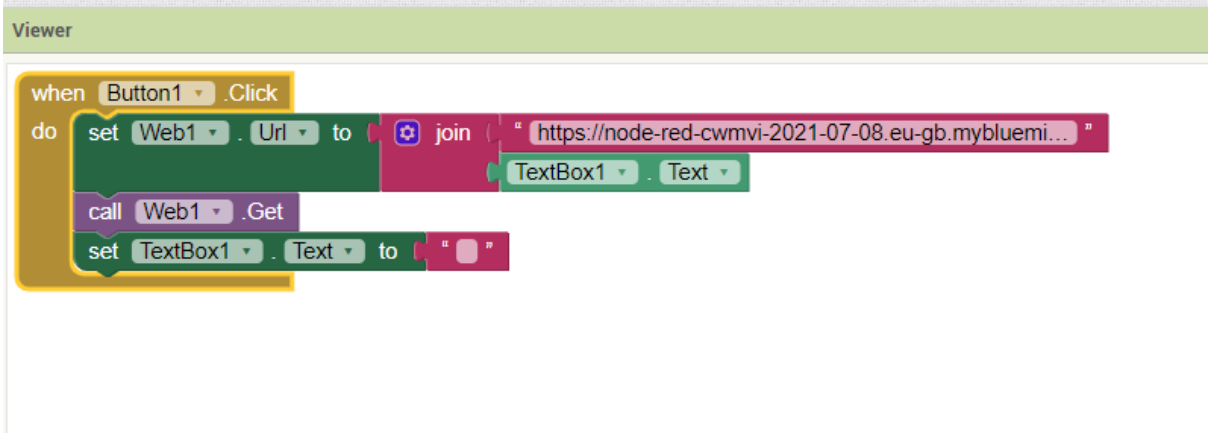
18BLC1106

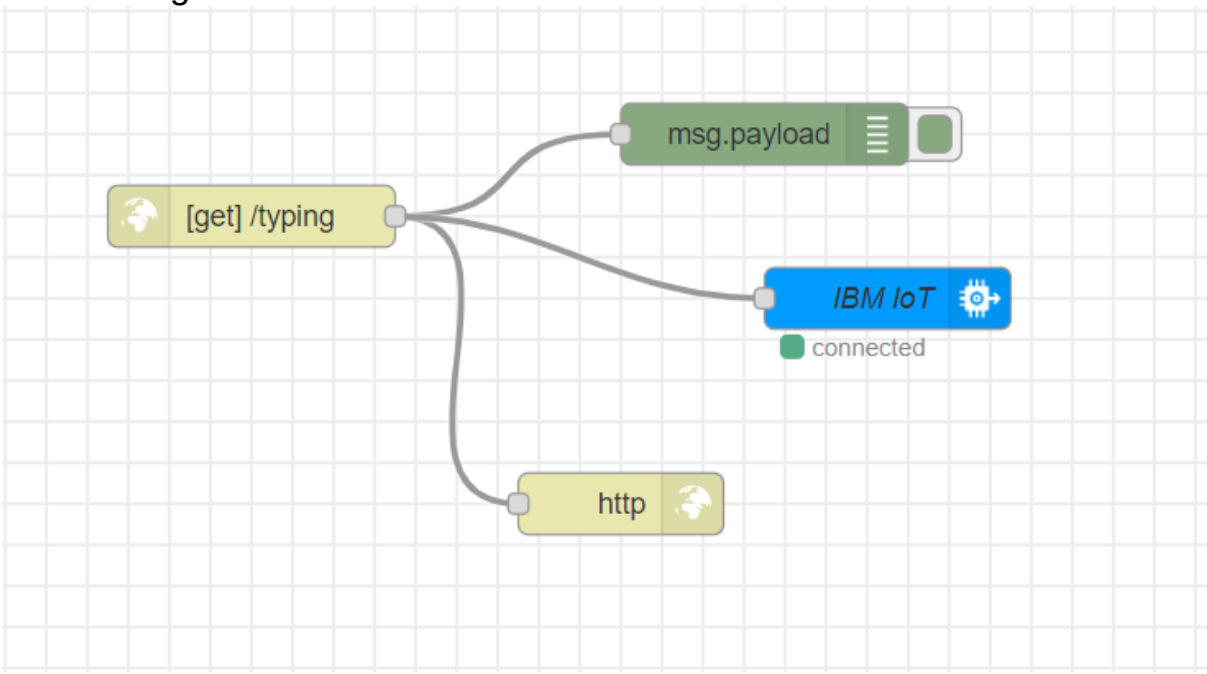
Develop a mobile application that takes the user input and sends it to IoT device (python code). Print the received data in python shell.
Keep a text box to accept the user input. Integrate a submit button.
Whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL (HTTP API).

## Creating a Layout for App:



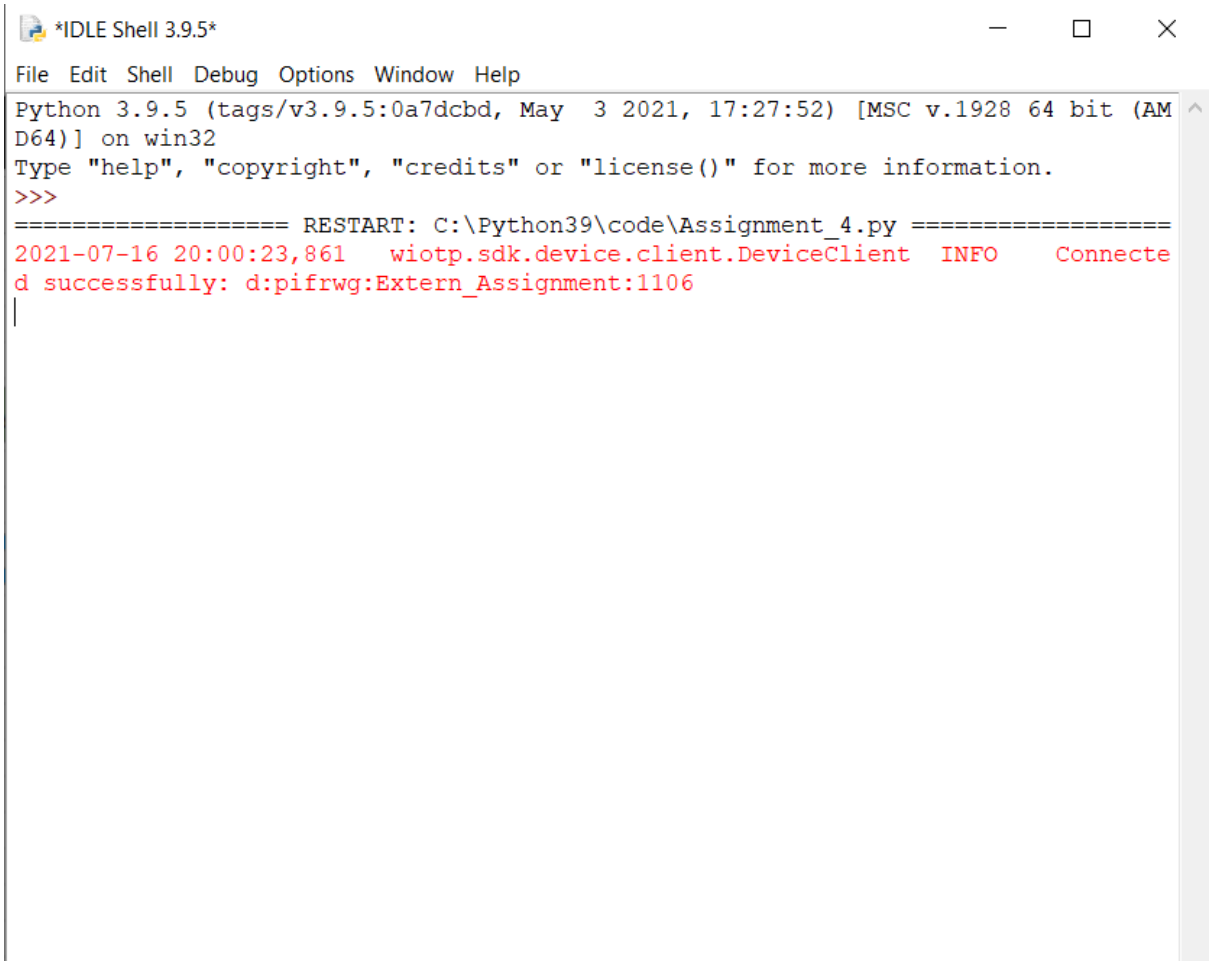



## Connecting to node red:

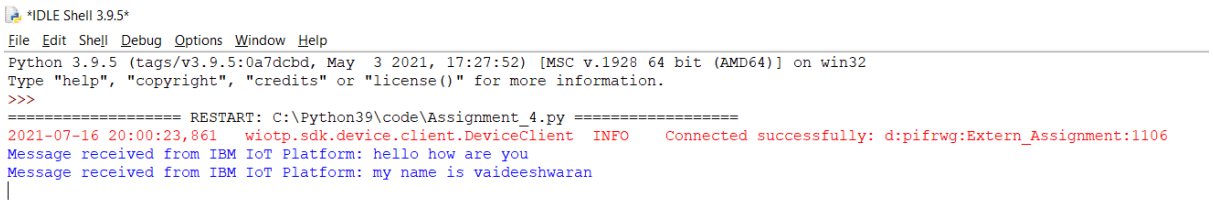


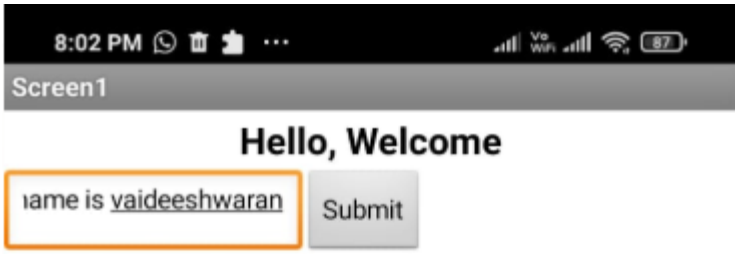

## Python Code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "pifrwg",
        "typeId": "Extern_Assignment",
        "deviceId":"1106"
    },
    "auth": {
        "token": "18BLC1106_Externship_Assignment"
    }
}

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

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

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


*IDLE Shell 3.9.5*
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Python39\code\Assignment_4.py ==========
2021-07-16 20:00:23,861 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:pifrwg:Extern_Assignment:1106

## OUTPUT:


*IDLE Shell 3.9.5*
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Python39\code\Assignment_4.py ==========
2021-07-16 20:00:23,861 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:pifrwg:Extern_Assignment:1106
Message received from IBM IoT Platform: hello how are you
Message received from IBM IoT Platform: my name is vaideeshwaran





APP LINK:

http://ai2.appinventor.mit.edu/b/gdxe