

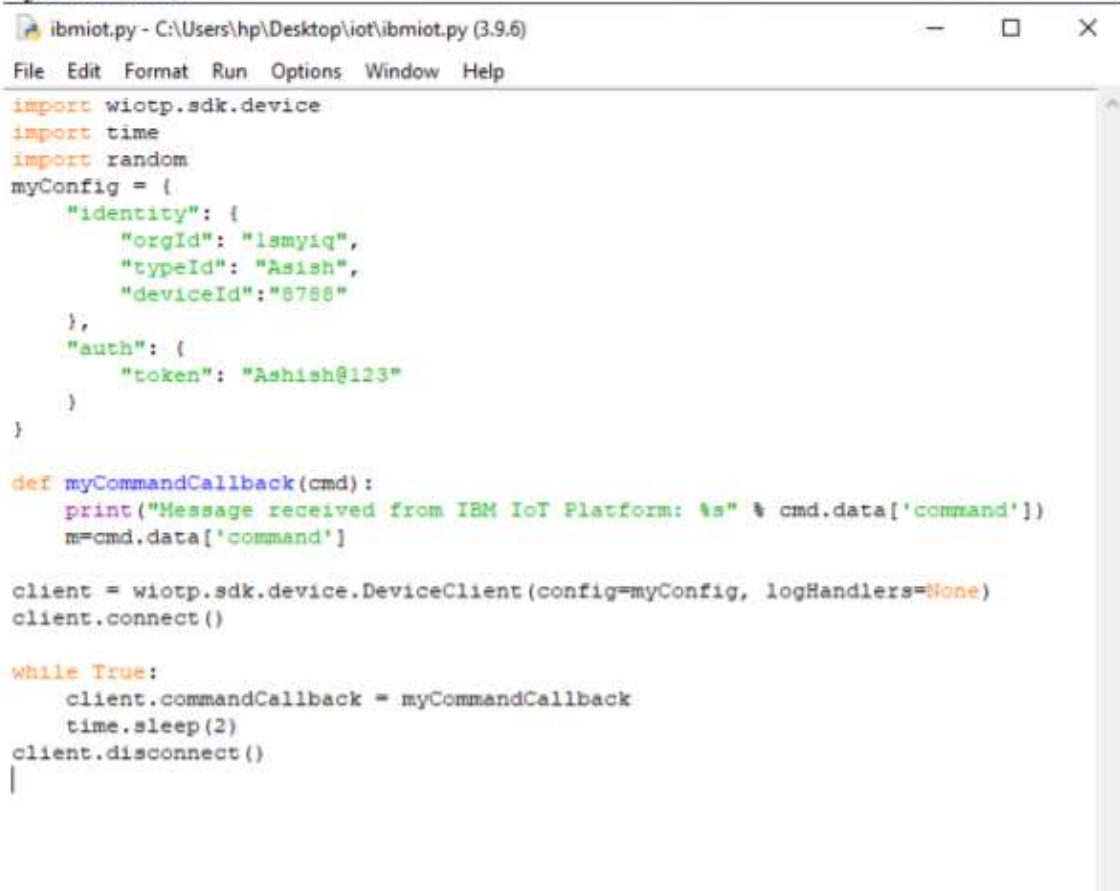
VIT SMART BRIDGE IOT EXTERNSHIP PROGRAM

NAME: Karthik Ramireddy

karthikramireddy087@gmail.com

Assignment-4: 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).

Python code:

A screenshot of a Python IDE window titled 'ibmiot.py - C:\Users\hp\Desktop\iot\ibmiot.py (3.9.6)'. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code is as follows:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "ismyiq",
        "typeId": "Asish",
        "deviceId": "8788"
    },
    "auth": {
        "token": "Ashish@123"
    }
}

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

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

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

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

```

myConfig = {
  "identity": {
    "orgId": "lsmyiq",
    "typeId": "Asish",
    "deviceId": "8788"
  },
  "auth": {
    "token": "Ashish@123"
  }
}

```

```

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

```

```

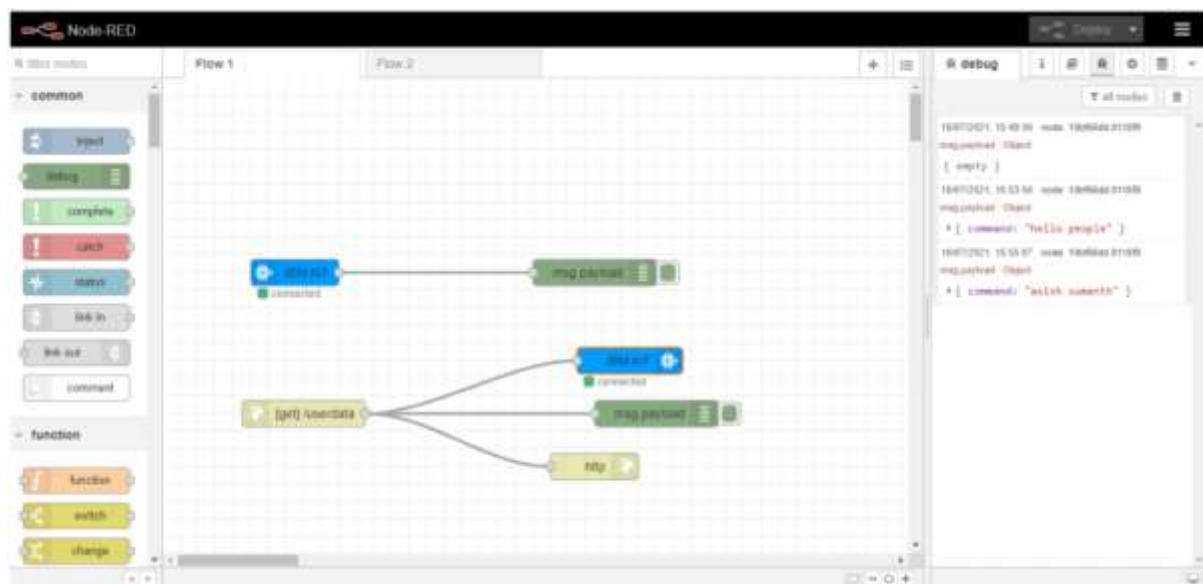
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

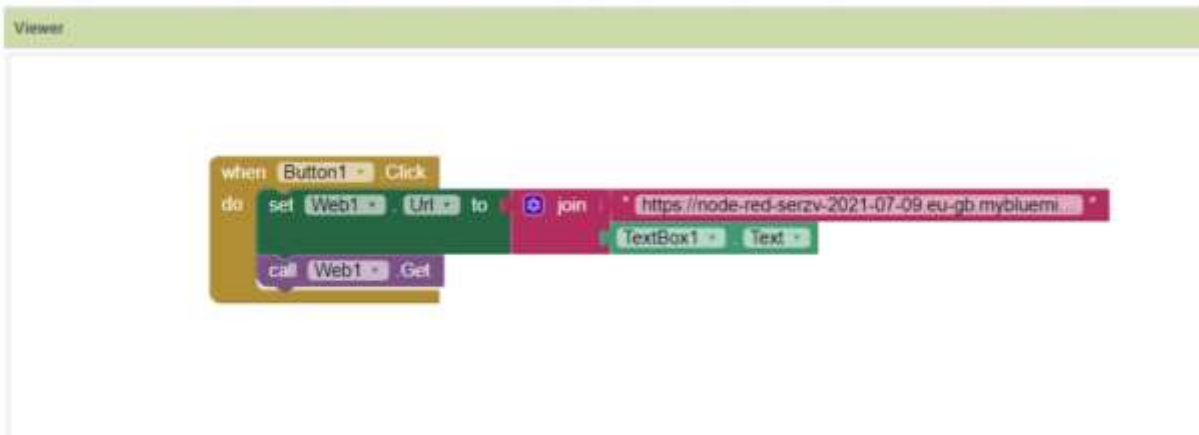
```

```

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

```





Output:

3:55

HD 50%

Screen1

USER DATA

asish sumanth

SUBMIT

```
"IDLE Shell 3.9.6"
File Edit Shell Debug Options Window Help
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\hp\Desktop\iot\ibmiot.py =====
2021-07-18 15:52:46,824 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:lsmyiq:Asish:8788
Message received from IBM IoT Platform: hello people
Message received from IBM IoT Platform: asish sumanth
```

```
18/07/2021, 15:49:56 node: 10bf66dd.8118f9
msg.payload : Object
{ empty }

18/07/2021, 15:53:50 node: 10bf66dd.8118f9
msg.payload : Object
  { command: "hello people" }

18/07/2021, 15:55:07 node: 10bf66dd.8118f9
msg.payload : Object
  { command: "asish sumanth" }
```