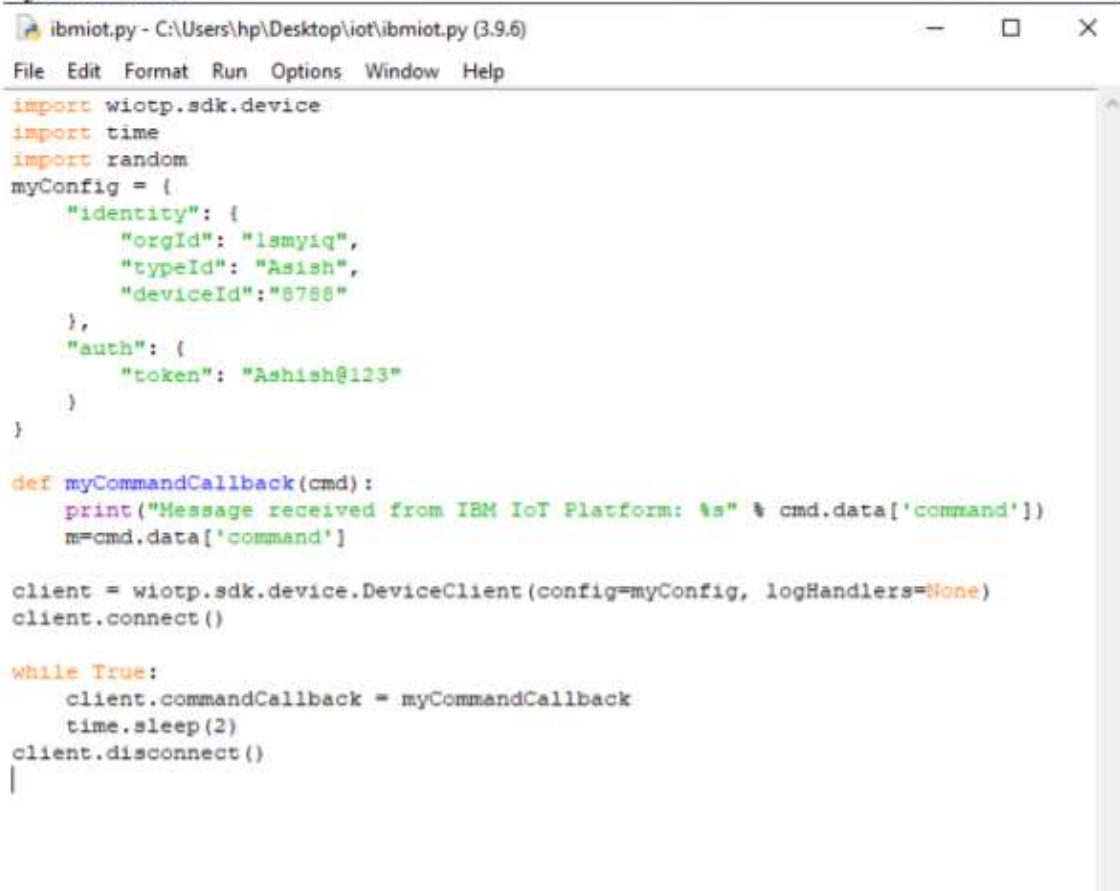# VIT SMART BRIDGE IOT EXTERNSHIP PROGRAM

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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:

```
ibmiot.py - C:\Users\hp\Desktop\iot\ibmiot.py (3.9.6)          —  □  ×
File  Edit  Format  Run  Options  Window  Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "1smyiq",
        "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()
```
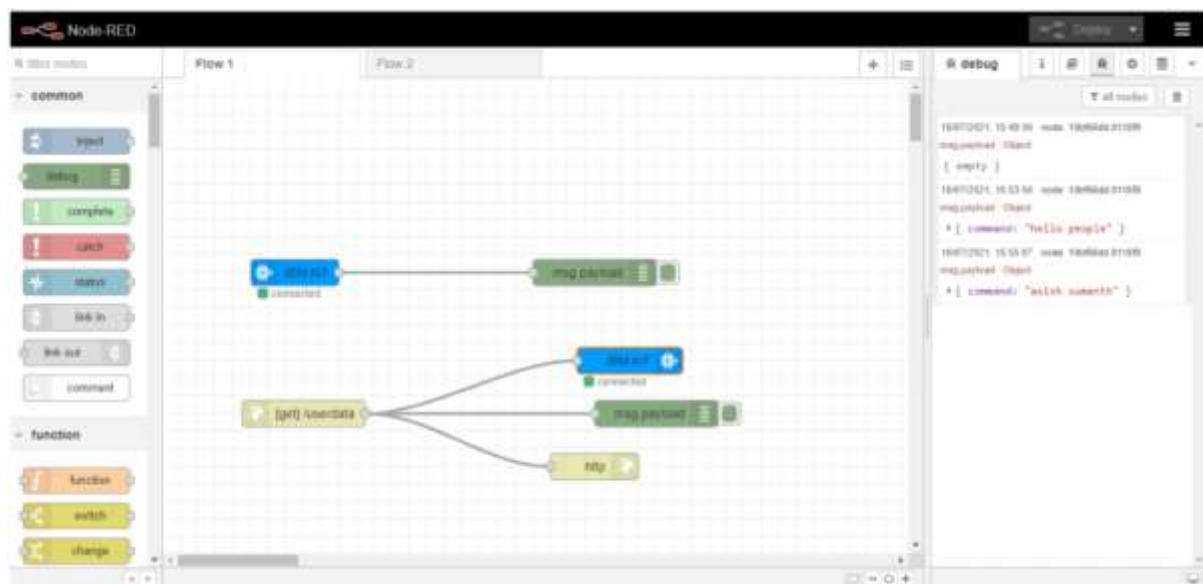
```
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import time
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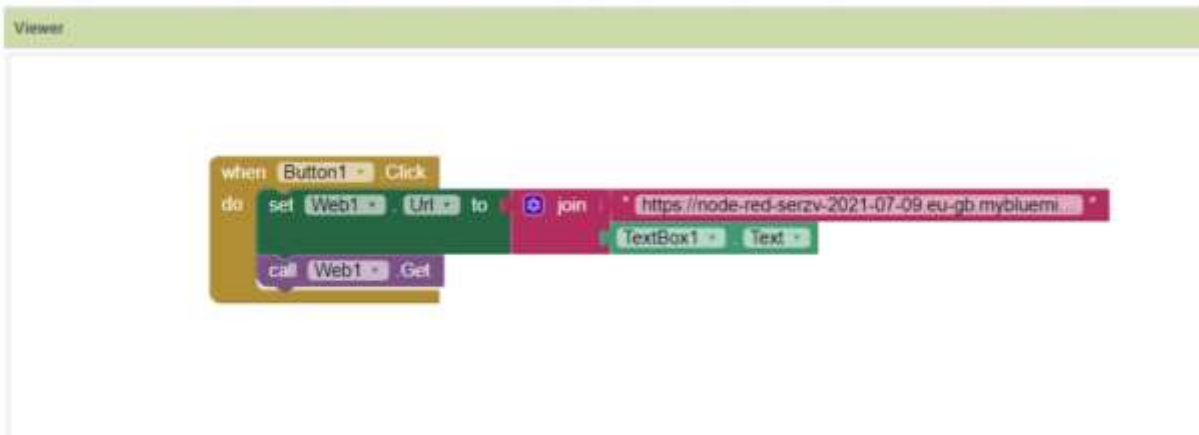
Viewer

Output:

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" }