

## **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).

### **CODE**

```
import wiotp.sdk.device

import time

import random

myConfig = {
    "identity": {
        "orgId": "3ofvvl",
        "typeId": "vit_device",
        "deviceId": "8821"
    },
    "auth": {
        "token": "123jmpNDA25"
    }
}

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()

```
ibmiot.py - C:\Users\praty\OneDrive\Desktop\my\ibmiot.py (3.9.6)
File Edit Format Run Options Window Help

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```
*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\praty\OneDrive\Desktop\my\ibmiot.py =====
2021-07-19 15:45:03,692 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:3ofvvl:vit_device:8821
Message received from IBM IoT Platform: Hey
Message received from IBM IoT Platform: Hello
Message received from IBM IoT Platform: welcome to Assignment 4
|
```

Deploy

debug

all nodes

7/19/2021, 3:47:50 PM node: 9a642777.671e48  
msg.payload : Object  
▶ { command: "Hey" }

7/19/2021, 3:47:55 PM node: 9a642777.671e48  
msg.payload : Object  
▶ { command: "Hello" }

7/19/2021, 3:48:11 PM node: 9a642777.671e48  
msg.payload : Object  
▶ { command: "welcome to Assignment 4" }





