

19BEE1216

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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).

```
*ibm.py - C:\Users\KKH\Desktop\karthikiot\ibm.py (3.9.6)*
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "rkpofh",
        "typeId": "VITDevices",
        "deviceId": "2002"
    },
    "auth": {
        "token": "12345678"
    }
}

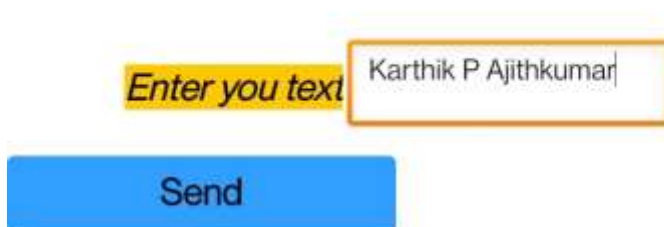
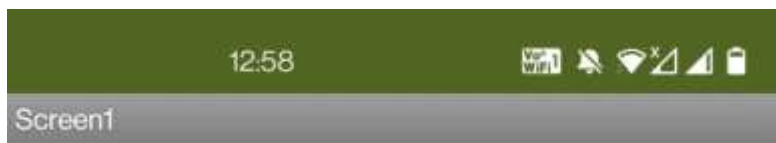
def myCommandCallback(cmd):
    print("Message received from MIT App Inventor: %s" % cmd.data['command'])
    print()

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

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




APP:



Message received in python shell:

Python Shell 3.9.6

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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\KKH\Desktop\karthikiot\ibm.py *****

2021-07-17 12:57:36,726 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:\kpoth\VITDevices:2002
Message received from MIT App Inventor: Karthik P Ajithkumar