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19BEC1422

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:

```python
import wiotp.sdk.device

import time

import random

myConfig = {

    "identity": {

        "orgId": "rxrbc7",

        "typeId": "my_device",

        "deviceId":"665540"

    },

    "auth": {

        "token": "6266747231"

    }

}

def myCommandCallback(cmd):

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

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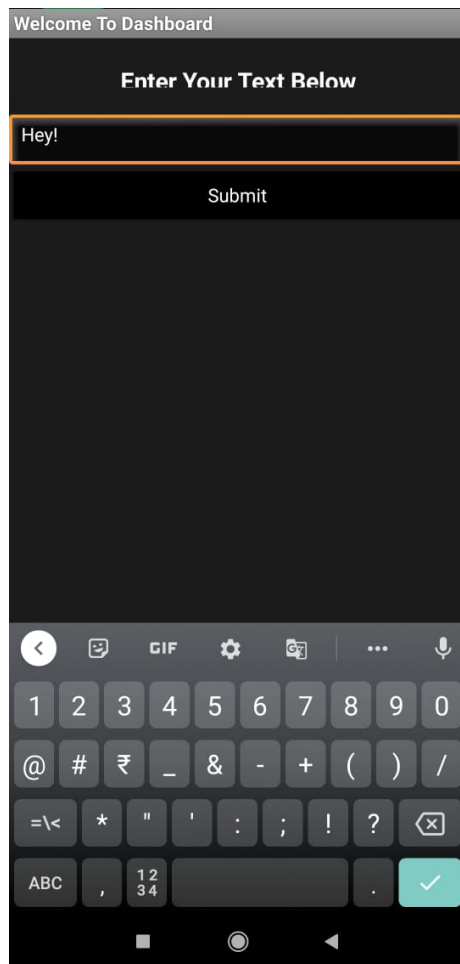
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client.connect()

while True:

    client.commandCallback = myCommandCallback

    time.sleep(2)

client.disconnect()

INPUT:

OUTPUT:

Message received from IBM IoT Platform: Hey!
Message received from IBM IoT Platform: This is Ishita Jain

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7/19/2021, 10:09:48 PM   node: 440924ef.0e6a1c
msg.payload : Object
▸ { control: "Hey!" }

7/19/2021, 10:10:03 PM   node: 440924ef.0e6a1c
msg.payload : Object
▸ { control: "This is Ishita Jain" }