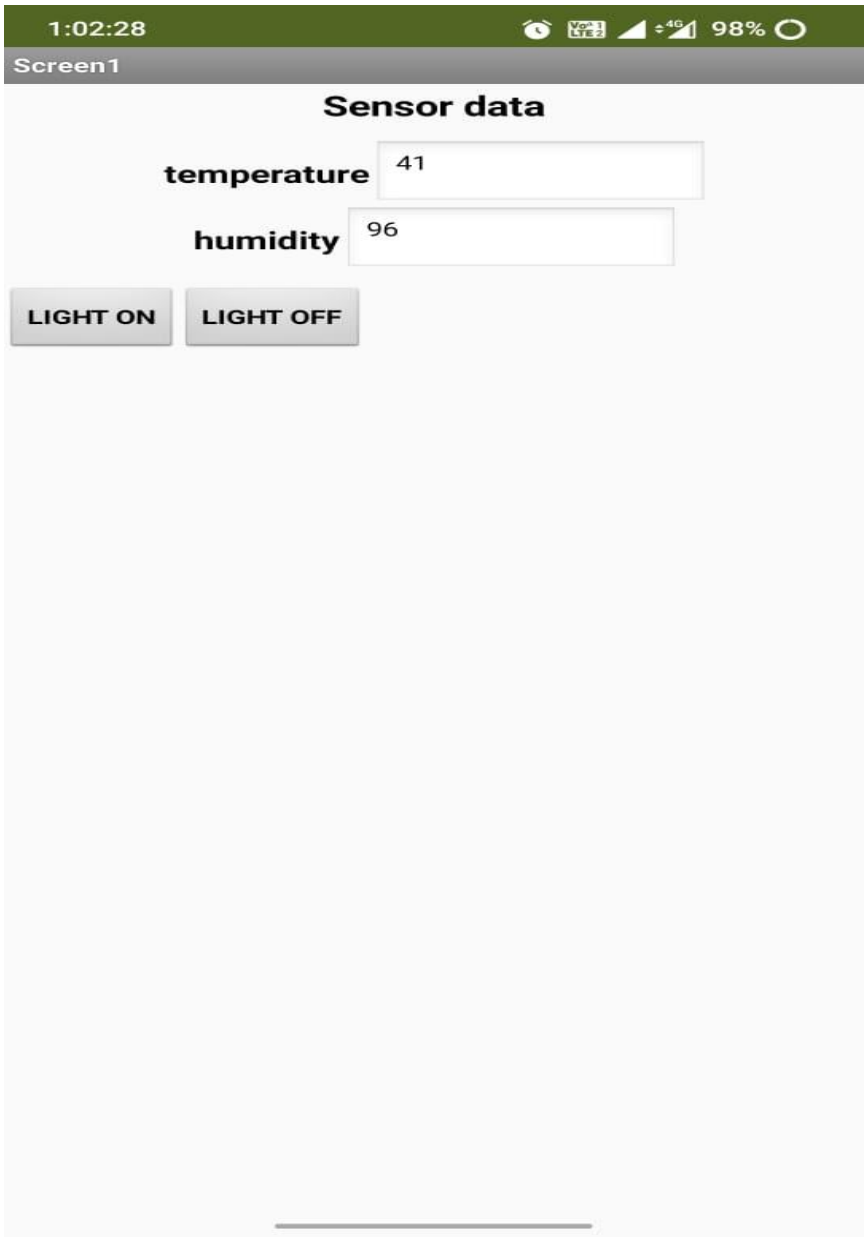
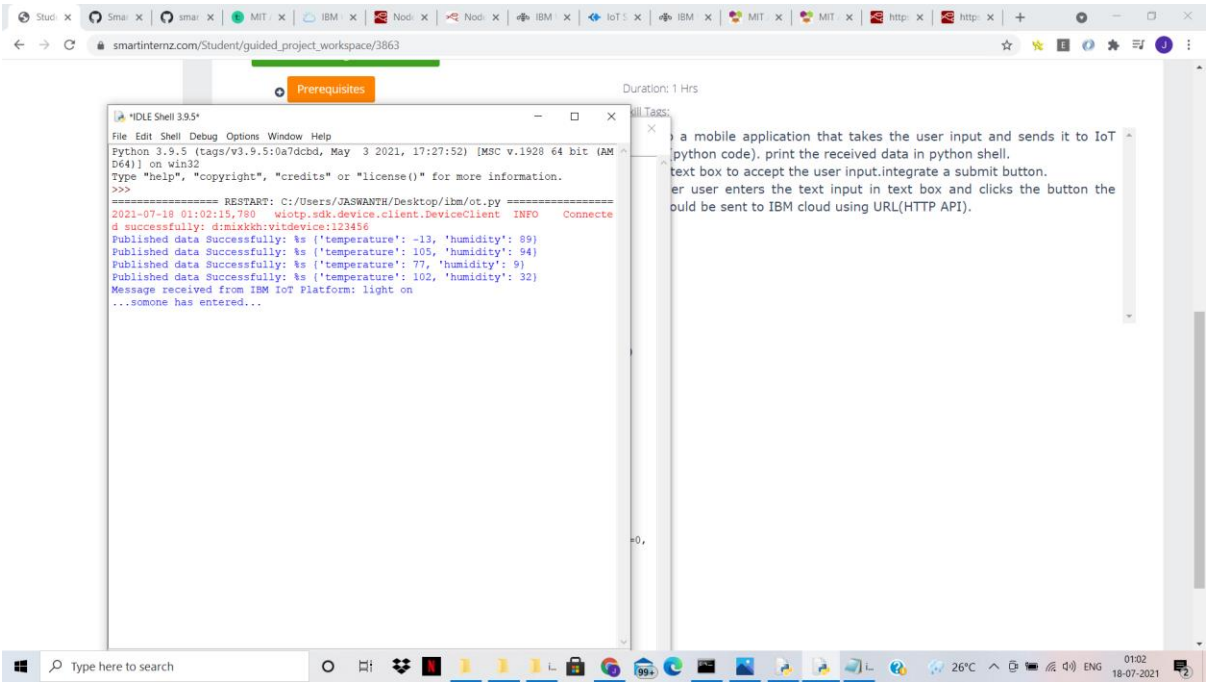
Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.Keep a text box to accept the user input. integrate a submit button.whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

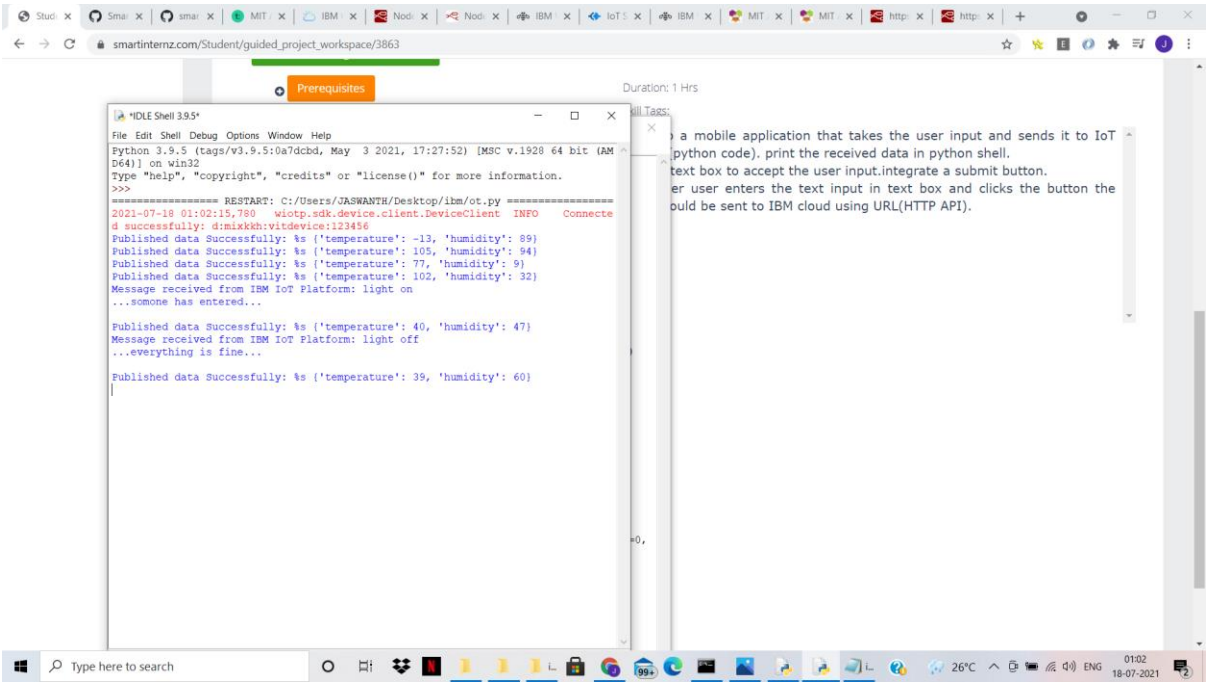
Mobile app:



When we pressed on light on button:



When we pressed light off button:

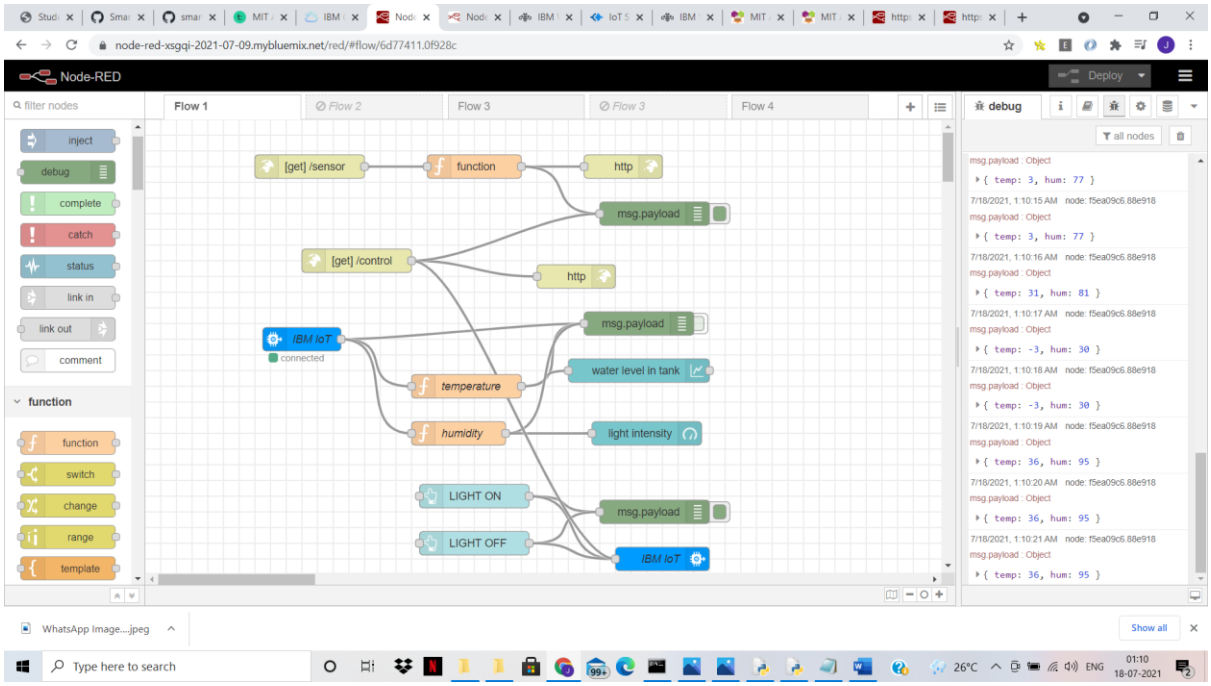


Code:

```
import wiotp.sdk.device

import time

import random

myConfig = {
```

```
    "identity": {
        "orgId": "mixkkh",
        "typeId": "vitdevice",
        "deviceId":"123456"
    },
    "auth": {
        "token": "12345678"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if (m=="light on"):
        print("...somone has entered...")
    elif(m=="light off"):
        print("...everything is fine...")
    print()
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

Node red flow:



Conclusion:

When in mobile application if we press light on button it prints someone has entered . If we press light off button it prints everything is fine in python shell .It displays as a message in python shell.