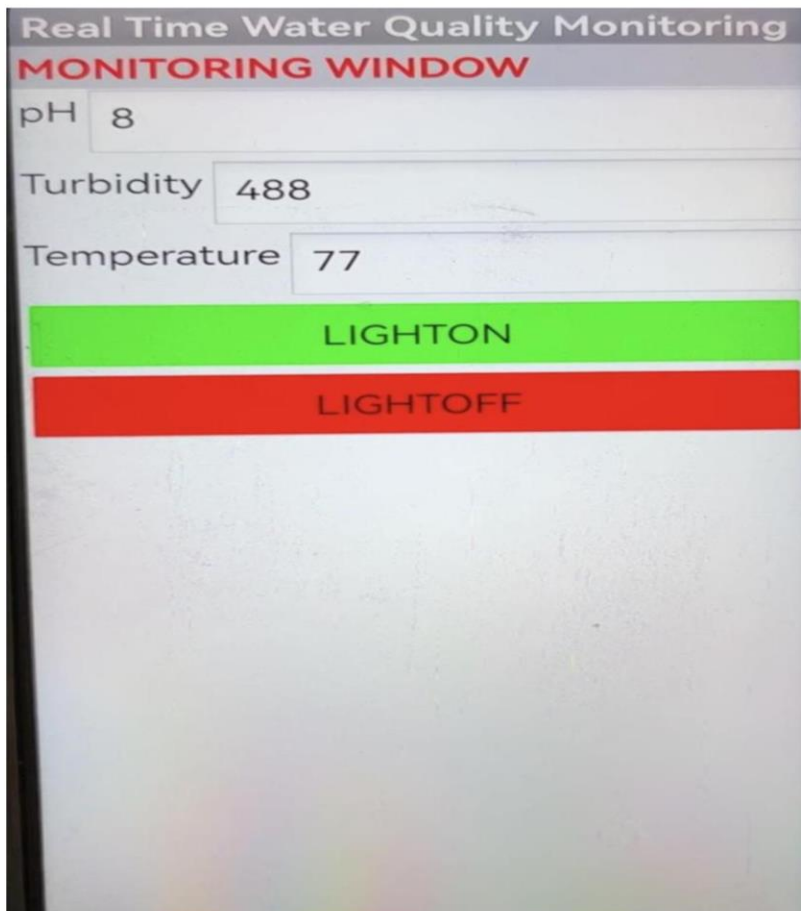


SPRINT 4

Configure the application to receive data from cloud



Develop a Python script

```
import
wiotp.sdk.device
import time
import os
import
datetime
import random
myConfig = {
    "identity": {
        "orgId": "hjSfmy",
        "typeId": "NodeMC
        U
        ", "deviceId": "12345
        "
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient (config=myConfig,
logHandlers=None)client.connect ()

def myCommandCallback (cmd) :
    print ("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if (m=="motoron"):
        print ("Motor is switched
on")elif (m=="motoroff"):
        print ("Motor is switched
OFF")print (" ")
while True:
    sen=random.randint (0,100)
    temp=random.randint (-20, 125)
    hum=random.randint (0, 100)
    myData={'sensor value ': sen,'temperature':temp, 'humidity':hum}
    client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 ,
onPublish=None)print ("Published data Successfully: %s", myData)
    time.sleep (2)
    client.commandCallback =
myCommandCallbackclient.disconnect ()
```

```

main.py
1 import wiotp.sdk.device import time
2 import os import datetime import random myConfig = {
3     "identity": {
4         "orgId": "hjsfmy", "typeId": "NodeMCU", "deviceId": "12345"
5     },
6     "auth": {
7         "token": "12345678"
8     }
9 }
10 client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None) client.connect ()
11
12 def myCommandCallback (cmd) :
13     print ("Message received from IBM IoT Platform: %s" % cmd.data['command']) m=cmd.data['command']
14     if (m=="motoron"):
15         print ("Motor is switched on") elif (m=="motoroff"):
16         print ("Motor is switched OFF") print (" ")
17     while True: sen=random.randint (0,100)
18     temp=random.randint (-20, 125)
19     hum=random.randint (0, 100)
20     myData={'sensor value ': sen,'temperature':temp, 'humidity':hum}
21     client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 , onPublish=None)
22     print ("Published data Successfully: %s", myData)
23     time.sleep (2)
24     client.commandCallback = myCommandCallback client.disconnect ()

```