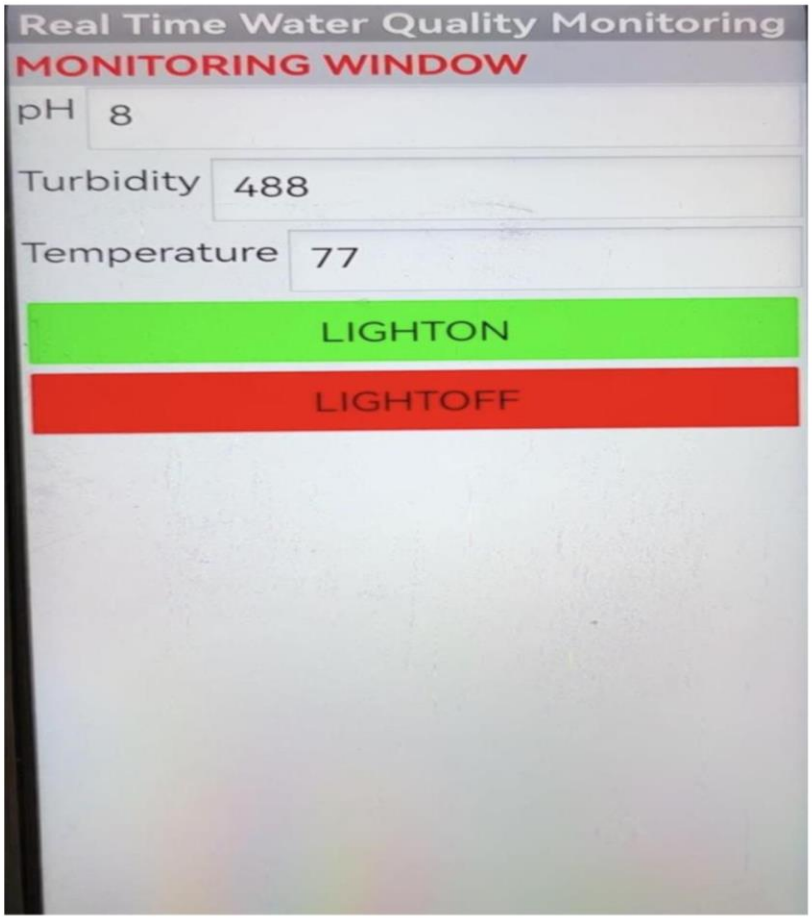
SPRINT 4

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

```
import wiotp.sdk.device import time
import os import datetime import random myConfig = {
"identity": {
"orgId": "hjSfmy", "typeId":"NodeMCU", "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 = myCommandCallback client.disconnect ()
```