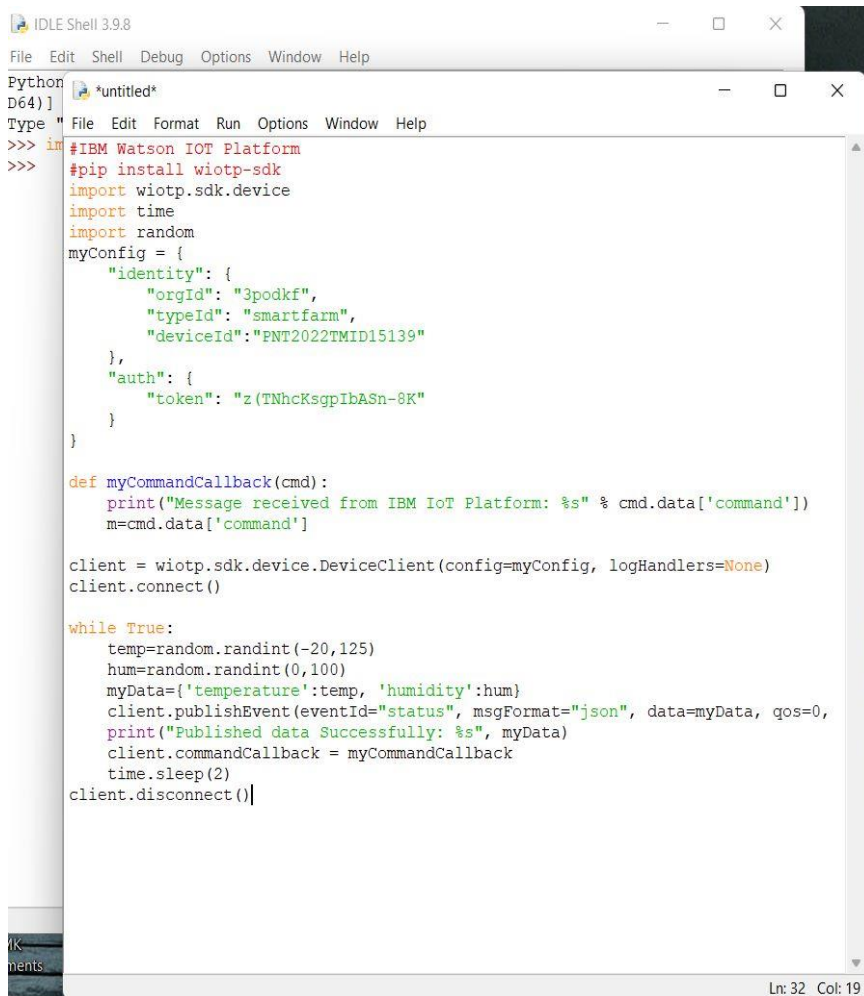


Date	13 November 2022
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
TEAM ID	PNT2022TMID15139



```

IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
Python 3.9.8 Shell
D64)]
Type "
>>> in #IBM Watson IOT Platform
>>> #pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "3podkf",
        "typeId": "smartfarm",
        "deviceId": "PNT2022TMID15139"
    },
    "auth": {
        "token": "z(TNhKsgpIbASn-8K"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

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,
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()

```

Ln: 32 Col: 19

```

IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
Published data Successfully: %s {'temperature': 111, 'humidity': 20}
Published data Successfully: %s {'temperature': 46, 'humidity': 23}
Published data Successfully: %s {'temperature': 13, 'humidity': 54}
Published data Successfully: %s {'temperature': 39, 'humidity': 6}
Published data Successfully: %s {'temperature': 56, 'humidity': 3}
Published data Successfully: %s {'temperature': 79, 'humidity': 85}
Published data Successfully: %s {'temperature': 88, 'humidity': 16}
Published data Successfully: %s {'temperature': 70, 'humidity': 9}
Published data Successfully: %s {'temperature': 40, 'humidity': 42}
Published data Successfully: %s {'temperature': 88, 'humidity': 88}
Published data Successfully: %s {'temperature': 93, 'humidity': 51}
Published data Successfully: %s {'temperature': 114, 'humidity': 60}
Published data Successfully: %s {'temperature': 22, 'humidity': 53}
Published data Successfully: %s {'temperature': 49, 'humidity': 78}
Published data Successfully: %s {'temperature': 47, 'humidity': 63}
Published data Successfully: %s {'temperature': -5, 'humidity': 83}
Published data Successfully: %s {'temperature': 39, 'humidity': 51}
Published data Successfully: %s {'temperature': 114, 'humidity': 68}
Published data Successfully: %s {'temperature': -18, 'humidity': 91}
Published data Successfully: %s {'temperature': 76, 'humidity': 17}

===== RESTART: C:/Users/DILIP KUMAR/Dropbox/PC/Desktop/smartfarm.py =====
2022-11-12 14:18:02,791 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:3podkf:smartfarm:PNT2022TMD15139
Published data Successfully: %s {'temperature': 72, 'humidity': 19}
Published data Successfully: %s {'temperature': 13, 'humidity': 30}
Published data Successfully: %s {'temperature': 14, 'humidity': 3}
Published data Successfully: %s {'temperature': 75, 'humidity': 78}
Message received from IBM IoT Platform: LIGHT ON
*****//LIGHTS ARE ON//*****
Published data Successfully: %s {'temperature': 109, 'humidity': 58}
Published data Successfully: %s {'temperature': 29, 'humidity': 7}
Published data Successfully: %s {'temperature': 75, 'humidity': 89}
Published data Successfully: %s {'temperature': 114, 'humidity': 80}
Published data Successfully: %s {'temperature': 35, 'humidity': 18}
Message received from IBM IoT Platform: LIGHT OFF
*****//LIGHTS ARE OFF//*****
Published data Successfully: %s {'temperature': 36, 'humidity': 15}
Published data Successfully: %s {'temperature': 101, 'humidity': 18}

Ln: 271 Col: 0
```