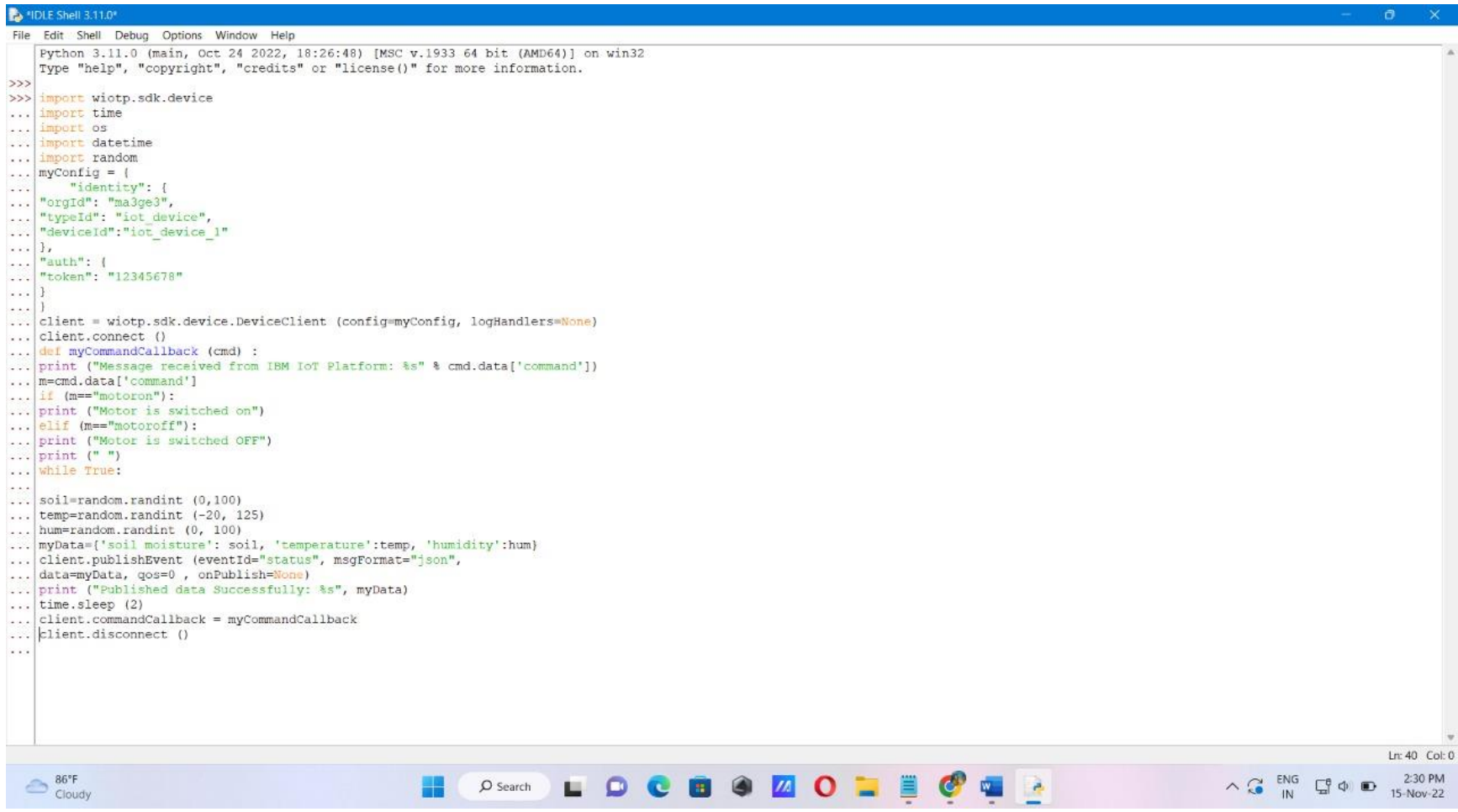


Team ID	PNT2022TMID42646
Project Name	Smart farmer - IoT Enabled smart farming application.

Develop A Python Script To Publish And Subscribe To IBM IoT Platform



```

Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>> import wiotp.sdk.device
... import time
... import os
... import datetime
... import random
... myConfig = {
...     "identity": {
...         "orgId": "ma3ge3",
...         "typeId": "iot_device",
...         "deviceId": "iot_device_1"
...     },
...     "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:
...         soil=random.randint (0,100)
...         temp=random.randint (-20, 125)
...         hum=random.randint (0, 100)
...         myData={'soil moisture': soil, '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 ()
... 
```

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