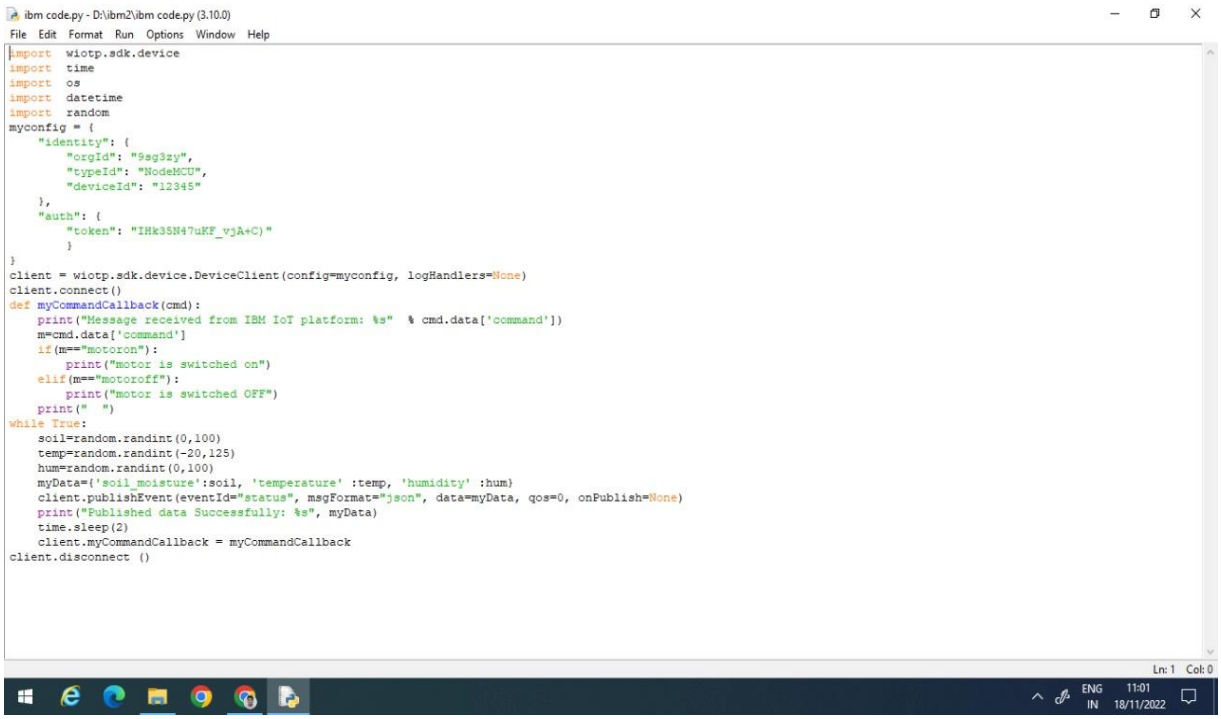
Project Development -Delivery of Sprint-1

Date	29 Oct 2022
Team ID	PNT2022TMID26544
Project Name	Project -Smart farmer-IOT enabled smart Farming Application

Python Code:

```
import  wiotp.sdk.device
import  time
import  os
import  datetime
import  random
myconfig = {
   "identity": {
      "orgId": "9sg3zy",
      "typeId": "NodeMCU",
      "deviceId": "12345"
   },
   "auth": {
      "token": "IHk35N47uKF_vjA+C)"
      }
}
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.myCommandCallback = myCommandCallback
client.disconnect ()
```



Running of Python Code