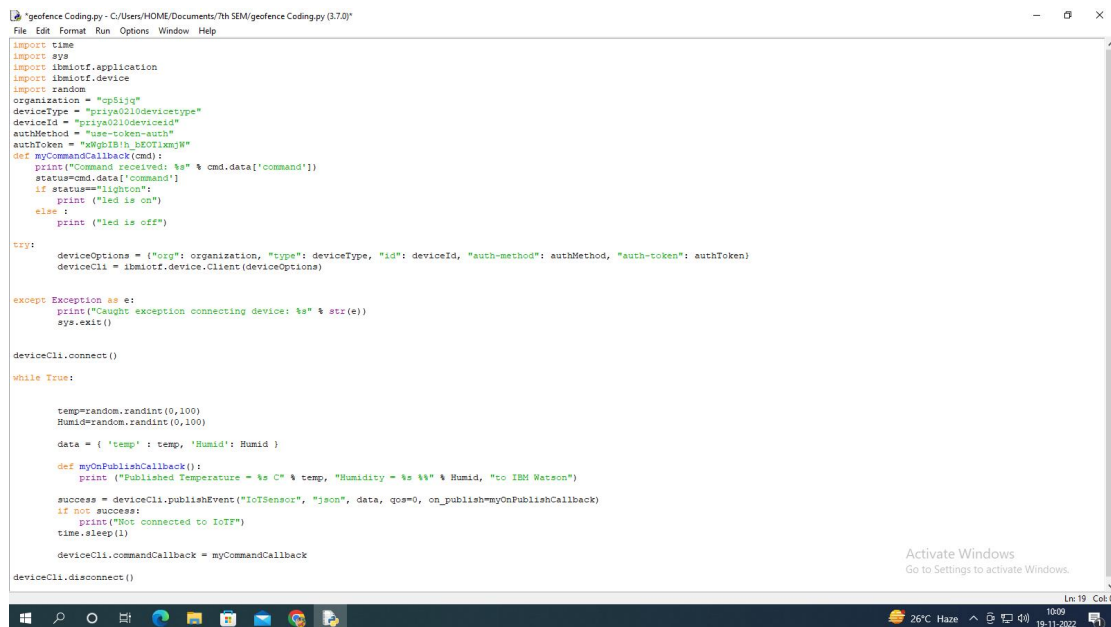


Develop A Python Script

Date	19 September 2022
Team ID	PNT2022TMID39165
Project Name	IoT Based Safety Gadget For ChildSafety Monitoring & Notification

AIM:

To develop a python script.



```
import time
import sys
import ibmiotrf.application
import ibmiotrf.device
import random

organization = "cp51jq"
deviceType = "priya0210deviceType"
deviceId = "priya0210deviceId"
authMethod = "use-token-auth"
authToken = "xWpB181h_hEO1amjW"

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    else :
        print ("led is off")

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
    deviceCli = ibmiotrf.device.client(deviceOptions)

except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

deviceCli.connect()

while True:

    temp=random.randint(0,100)
    Humid=random.randint(0,100)

    data = { 'temp': temp, 'Humid': Humid }

    def myOnPublishCallback():
        print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson")

    success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoT")
        time.sleep(1)

    deviceCli.commandCallback = myCommandCallback

deviceCli.disconnect()
```

RESULT:

Successfully develop a python script.