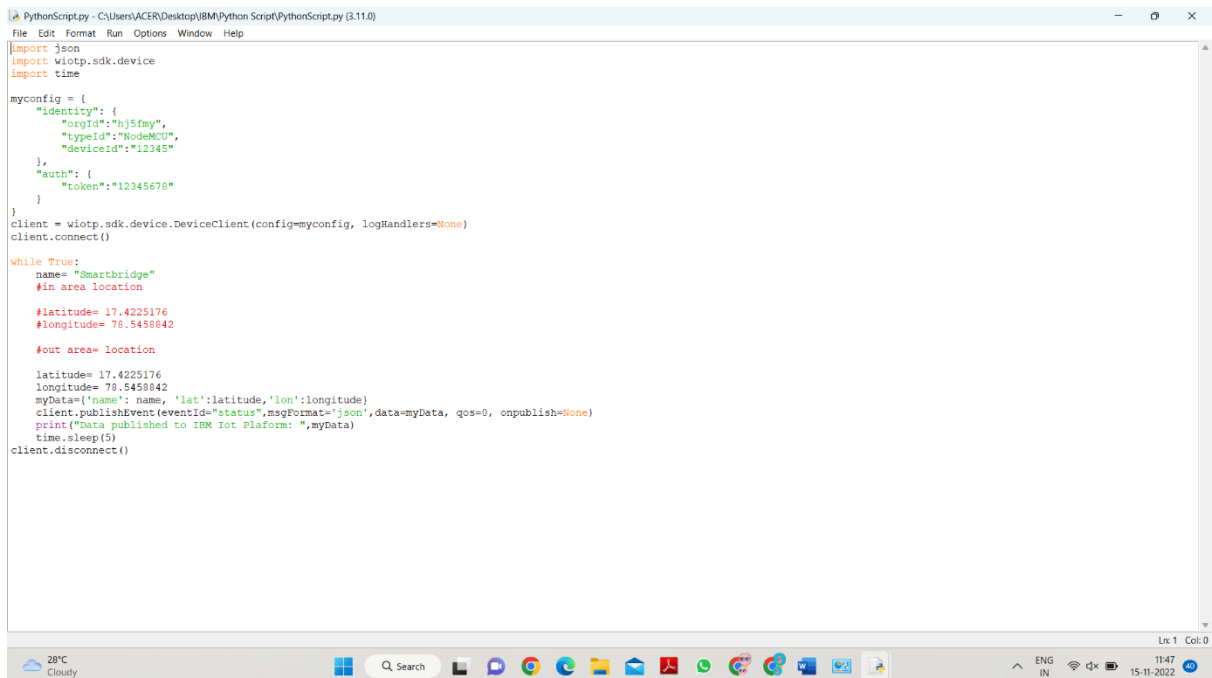


Download Python IDE

Date	27 October 2022
Team ID	PNT2022TMID18967
Project Name	Project - IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks



The screenshot shows a Windows desktop environment with a code editor window titled "PythonScript.py - C:\Users\ACER\Desktop\IBM\Python Script\PythonScript.py (3.11.0)". The code is a Python script for connecting to an IBM IoT Platform and publishing data. It includes imports for json, wiotp.sdk.device, and time. A configuration dictionary 'myconfig' is defined with identity and auth details. A 'client' object is created and connected. A 'while True' loop publishes location data (name, latitude, longitude) to the IoT platform every 5 seconds. The script ends with 'client.disconnect()'. The taskbar at the bottom shows the system clock as 11:47 on 15-11-2022, with a temperature of 28°C and a cloudy weather icon.

```
PythonScript.py - C:\Users\ACER\Desktop\IBM\Python Script\PythonScript.py (3.11.0)
File Edit Format Run Options Window Help
import json
import wiotp.sdk.device
import time

myconfig = {
    "identity": {
        "orgId": "h35fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myconfig, loghandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location

    #latitude= 17.4225176
    #longitude= 78.5458842

    #out area= location

    latitude= 17.4225176
    longitude= 78.5458842
    myData={'name': name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData, qos=0, onpublish=None)
    print("Data published to IBM Iot Platform: ",myData)
    time.sleep(5)
client.disconnect()
```