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Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
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Goal:

Develop a python code for publishing the location (latitude and longitude) data .

Step-1

Install python software

python version 3.7.4

Step-2

Install Watson IoT Python SDK to connect to IBM Watson IoT Platform using python code: give the following command in command prompt:

pip install wiotp-sdk

pip install ibmiotf

Step-3

Develop a python script to publish the location details to the IBM IoT platform

```
import json
import wiotp.sdk.device
import time
import ibmiotf.application
import ibmiotf.device

```

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```
myConfig = {
    "identity": {
        "orgId": "6j0oju",
        "typeId": "ESP",
        "deviceId": "1234"
    },
    "auth": {
        "token": "12345678"
    }
}
def myCommandCallback(cmd):
    print("Command received: %s" %
  cmd.data['command'])
    status=cmd.data['command']
    if status=="locationon":
        print ("location is on")
    elif status == "locationoff":
        print ("location is off")
    else :
        print ("please send proper command")

client =
  wiotp.sdk.device.DeviceClient(config=myConfig,
  logHandlers=None)
client.connect()

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

    #latitude=9.28
```

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```
35    #longitude= 78.5458842
36
37    #out area location
38
39    latitude= 9.28
40    longitude= 78.5488783
41    mydata={'name': name,
  'lat':latitude,'lon':longitude}
42    client.publishEvent(eventId="status",
  msgFormat="json", data=mydata, qos=0,
  onPublish=None)
43    print("Data published to IBM IoT platform:
  ",mydata)
44    time.sleep(20)
45
46    client.commandCallback = myCommandCallback
47
48client.disconnect()
```

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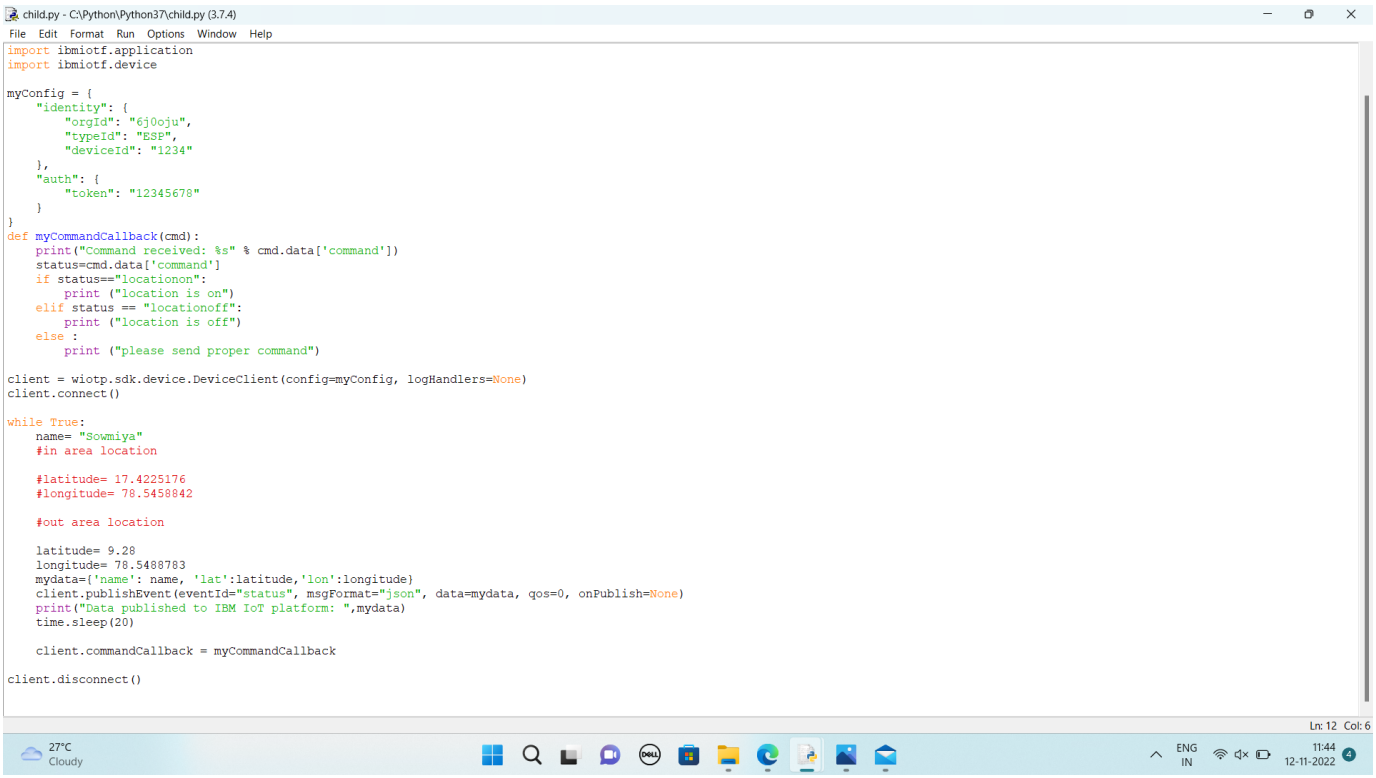

Step-4

To run the program.