

Develop The Python Script Develop A Python Script

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Team ID	PNT2022TMID18337
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification

Script:

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

organization = "92rnyd"
deviceType = "GPS"
deviceId = "1234"
authMethod = "token"
authToken = "12345678"

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

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

deviceCli.connect()

while True:
    name="Child"
    #latitude,longitude=9.525498643996373,77.85547697431774 #inarea
    #latitude,longitude=9.531834223946193,77.84996742667008 #outarea
    data = { 'name' : name, 'lat': latitude, 'lon': longitude }
    #print data
    def myOnPublishCallback():
        print ("Published Latitude = ",latitude,"Longitude = ",longitude,"to IBM Watson")

    success = deviceCli.publishEvent("IoTSensor", "json",data, qos=0,
on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoT")
        time.sleep(10)

deviceCli.disconnect()
```