**Develop The 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 IoTF")

time.sleep(10)

deviceCli.disconnect()