Team id	PNT2022TMID31875
Project Name	IoT based safety gadget for child safety monitoring and notification

Final code:

```
import random as rand

import time

import ibmiotf.application

import ibmiotf.device

import sys

import imdb


#defining credentials of device

organization = "aa13kc"

deviceType = "Vijay2001"

deviceId = "1234567"

authMethod = "token"

authToken = "Yd-6ozY-S6BLhM0vkw"


def myCommandCallback(cmd):

   print("Command received: %s" % cmd.data['command'])


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 Location"
    #latitude= 10.908532
    #longitude= 76.979312

    latitude= 10.952114
    longitude= 76.956643



    data = {'name':name,'lat' : latitude,
          'lon': longitude}
    def myOnPublishCallback():
       print("Published all data to IBM Watson :",latitude," ,",longitude)

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

    deviceCli.commandCallback = myCommandCallback

deviceCli.disconnect()
```