

PYTHON CODE

TEAM ID : PNT2022IBMTMID41116

PROJECT : IOT Based Safety Gadgets for Child Safety

Monitoring and Notifications

```
import json

import wiotp.sdk.device

import time

import ibmiotf.application

import ibmiotf.device

myConfig = {

    "identity": {

        "orgId": "qm8fs3",

        "typeId": "Nodemcu",

        "deviceId": "56432"

    },

    "auth": {

        "token": "i42n22r23s"

    }

}

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= "indhunisha"

 #in area location

 latitude= 17.4225176

 longitude= 78.5458842

 #out area location

 #Latitude= 9.28

 #Longitude= 78.5488783

 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(20)

 Client.commandCallback = myCommandCallback

Client.disconnect()