import time

import sys

import ibmiotf.device

import random

#Provide your IBM Watson Device Credentials

organization = "262umi"

deviceType = "kaviya"

deviceId = "123"

authMethod = "token"

authToken = "12345678"

#api key {a-illza1-mbdxqo6z0s}

#api token {zSYzISuAWF&F\_x7GkT}

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()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times

print("power on ")

print("checking connection to waston iot...")

time.sleep(2)

deviceCli.connect()

print("dear user ... welcome to IBM-IOT ")

print("i can provide your children live location and temperature ")

print()

name=str(input("enter your child name:"))

while True:

temperature=random.randint(20,85)#random temperature for your child

latitude=random.uniform(12.1295314,12.1335137)#random latitude for your child

longitude=random.uniform(78.1955059,78.1986357)#random longitude for your child

a="Child inside the geofence"

b=" Child outside the geofence"

c="High temperature"

d="Low temperature"

x={'your\_child\_zone':a}

y={'your\_child\_zone':b}

z={'temp\_condition':c}

w={'temp\_condition':d}

data = { 'temp' : temperature, 'lat': latitude,'lon':longitude,'name':name }

#print data

def myOnPublishCallback():

print ("Published Temperature = %s C" % temperature, "latitude = %s %%" % latitude, "longitude = %s %%" % longitude, "to IBM Watson")

print("\n")

success = deviceCli.publishEvent("IoTSensorgpsdata", "json", data, qos=0, on\_publish=myOnPublishCallback)

if latitude>=12.1303598 and latitude<=12.1321095 and longitude >=78.1967589 and longitude <=78.19820833:

deviceCli.publishEvent("IoTSensorgpsdata","json",data=x,qos=0,on\_publish=myOnPublishCallback)

print(x)

print("\n")

else:

deviceCli.publishEvent("IoTSensorgpsdata","json",data=y,qos=0,on\_publish=myOnPublishCallback)

print👍

print("\n")

if (temperature>=40):

deviceCli.publishEvent("IoTSensorgpsdata","json",data=z,qos=0,on\_publish=myOnPublishCallback)

print(z)

print("\n")

else:

deviceCli.publishEvent("IoTSensorgpsdata","json",data=w,qos=0,on\_publish=myOnPublishCallback)

print(w)

print("\n")

if not success:

print("Not connected to IoTF")

print("\n")

time.sleep(1)

# Disconnect the device and application from the cloud

deviceCli.disconnect()