



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

#Provide your IBM Watson Device Credentials
organization = "zwx6lb"
deviceType = "ABCD"
deviceId = "13"
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(20,50)#random temperature for your child
    latitude=random.uniform(10.781377,10.78643)#random latitude for your child
    longitude=random.uniform(79.129113,79.134014)#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>=10.78200 and latitude<=10.786000 and longitude >=79.130000 and longitude
<=79.133000:

deviceCli.publishEvent("IoTSensorgpsdata", "json", data=x, qos=0, on_publish=myOnPublishCallb
ack)

    print(x)
    print("\n")
else:

deviceCli.publishEvent("IoTSensorgpsdata", "json", data=y, qos=0, on_publish=myOnPublishCallb
ack)

    print(y)
    print("\n")

    if (temperature>35):

deviceCli.publishEvent("IoTSensorgpsdata", "json", data=z, qos=0, on_publish=myOnPublishCallb
ack)

    print(c)
    print("\n")
else:

deviceCli.publishEvent("IoTSensorgpsdata", "json", data=w, qos=0, on_publish=myOnPublishCall
back)

    print(d)

```

```
print("\n")
```

if not success:

```
print("Not connected to IoT")
```

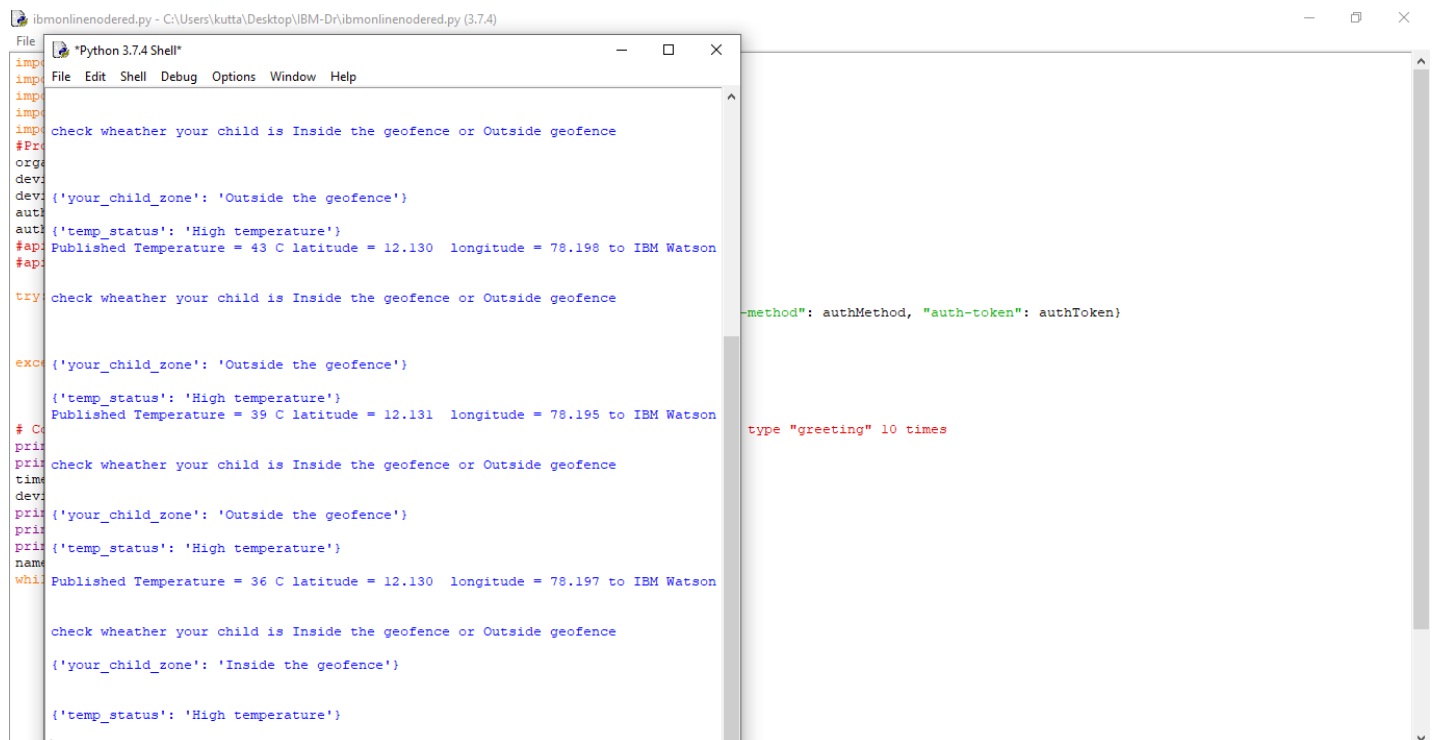
```
print("\n")
```

```
time.sleep(3)
```

Disconnect the device and application from the cloud

```
deviceCli.disconnect()
```

Connecting IBM Watson and python Code:



```
ibmonlinenodered.py - C:\Users\kutta\Desktop\IBM-Dr\ibmonlinenodered.py (3.7.4)
File Edit Shell Debug Options Window Help
Python 3.7.4 Shell
import urllib
import json
import time
import sys
check wheather your child is Inside the geofence or Outside geofence
#Print the status of the child
orgId = 'your_org_id'
devId = 'your_dev_id'
dev: {'your_child_zone': 'Outside the geofence'}
auth: {'temp_status': 'High temperature'}
#api key
#api key
try:
    check wheather your child is Inside the geofence or Outside geofence
except:
    {'your_child_zone': 'Outside the geofence'}
    {'temp_status': 'High temperature'}
    Published Temperature = 39 C latitude = 12.131 longitude = 78.195 to IBM Watson
# Connect to IBM Watson
print('check wheather your child is Inside the geofence or Outside geofence')
time.sleep(3)
dev: {'your_child_zone': 'Outside the geofence'}
print('temp_status': 'High temperature')
name = 'your_child_name'
while True:
    Published Temperature = 36 C latitude = 12.130 longitude = 78.197 to IBM Watson
    check wheather your child is Inside the geofence or Outside geofence
    {'your_child_zone': 'Inside the geofence'}
    {'temp_status': 'High temperature'}
```

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zwx6lb.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform613519106013@smartinternz.comID: zwx6lb

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13ConnectedABCDDeviceNov 2, 2022 10:55 PM

IdentityDevice InformationRecent EventsStateLogs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensorp...	{"temp_status":"High temperature"}	json	a few seconds ago
IoTSensorp...	{"your_child_zone":"Outside the geofence"}	json	a few seconds ago
IoTSensorp...	{"temp":50,"lat":12.132819998043411,"lon":78...	json	a few seconds ago
IoTSensorp...	{"temp_status":"Low temperature"}		
IoTSensorp...	{"your_child_zone":"Outside the geofence"}		

1 Simulation running