PYTHON SCRIPT

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ibmiot.py - C:/Users/safri/Desktop/ibmiot.py (3.7.0)
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File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "xqm2dp"
#viceType = "weatherdevice"
deviceId = "ibm-weather"
authMethod ="token"
authToken = "k6i(pRUZgZWf_+MRzJ"
# Initialize GPIO
temp=random.randint(0,100)
oulse=random.randint(0,100)

oxygen= random.randint(0,100)

lat = 17

lon = 18
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
print(cmd)
          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 deviceCli.connect()
```

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print("Command received: %s" % cmd.data['command'])
   print(cmd)
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
deviceCli.connect()
while True:
        #Get Sensor Data from DHT11
        temp=random.randint(0,100)
       pulse=random.randint(0,100)
        oxygen= random.randint(0,100)
       lat = 17
lon = 18
        data = {"d":{ 'temp' : temp, 'pulse': pulse ,'oxygen': oxygen,"lat":lat,"lon":lon}}
        def myOnPublishCallback():
           print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % pulse, "to IBM Watson")
        success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on publish=myOnPublishCallback)
           print("Not connected to IoTF")
        time.sleep(1)
        deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
```



