PUSHING DATA TO THE CLOUD

Team ID	PNT2022TMID06927
Project Name	Gas Leakage Detection and Alerting System
	for Industries

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import time
import time
import ibmiotf.application
import ibmiotf.device
import andom
 organization =
 deviceIype = "ESP32"
deviceId = "123"
authMethod = "token"
authToken = "1234567890"
 def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status="lighton":
        print ("led is on")
    elif status = "lightooff":
        print ("led is off")
    else:
        print ("please send proper 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()
 # Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times deviceCli.connect()
            data = { 'LPG' : MQ6_Sensor, 'Methane': MQ4_Sensor, 'Benzene': MQ135_Sensor }
#print data
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if status=="lighton":
print ("led is on")
elif status == "lightof";
print ("led is off")
else:
            e :
print ("please send proper command")
            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:
            MQ6_Sensor=random.randint(200,10000)
MQ4_Sensor=random.randint(300,10000)
MQ135_Sensor=random.randint(10,1000)
            data = { 'LPG' : MQ6_Sensor, 'Methane': MQ4_Sensor, 'Benzene': MQ135_Sensor }

#print data

def myOnFublishCallback():
   print ("Published LPG Concentration = %s ppm" % MQ6_Sensor, "Methane Concentration = %s ppm" % MQ4_Sensor, "Benzene Concentration = %s ppm" %MQ135_Sensor,
            success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
           deviceCli.commandCallback = mvCommandCallback
 # Disconnect the device and application from the cloud
deviceCli.disconnect()
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