PUBLISH DATA TO IBM CLOUD

TEAM ID	PNT2022TMID15984
PROJECT NAME	Hazardous Area Monitoring for
	Industrial Plant powered by IoT
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PYTHON CODE:

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ibm.py - C\Users\admin\Desktop\ibm.py (3.7.0)
File Edit Format Run Options Window Help
import time
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "22h49t"
deviceType = "NodeMCU"
deviceId = "12345"
authMethod = "token"
authToken = "12345678"
# Initialize GPIO
def myConmandCallback(cmd):
    print("Command received: %5" % cmd.data['command'])
    status=cmd.data['dommand']
    if status="lighton";
  print ("led is on")
elif status = "lightoff";
    print ("led is off")
        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()
while Troe:
         |Get Sensor Data from DHT11
         temp=random.randint(90,110)
         Bumid-random.randint(60,100)
```

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3 "Python 3.7.0 Shell"
                                                                                                                                                                                                                     - 6 X
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AME64)] on win32
Type "copyright", "credits" or "license()" for more information.
                         == RESTART: C:\Users\admin\Desktop\ibm.py =
2022-11-16 10:23:19,108 ibmiotf.device.Client
                                                                                         Connected successfully: d:22h49t:NodeMCU:12345
                                                                             TMFC
Published Temperature = 93 C Humidity = 81 % to IBM Watson
Published Temperature = 91 C Humidity = 01 % to IBM Watson
Published Temperature = 107 C Humidity = 72 % to IHM Watson
Published Temperature = 100 C Humidity = 64 % to IBM Watson
Published Temperature = 93 C Humidity = 86 % to IBM Watson
Published Temperature = 90 C Humidity = 80 % to IBM Watson
Published Temperature = 92 C Humidity = 97 % to IBM Watson
Published Temperature = 100 C Humidity = 60 % to IBM Watson
Published Temperature = 100 C Humidity = 62 % to IBM Watson
Published Temperature = 106 C Humidity = 84 % to IBM Watson
Published Temperature = 110 C Humidity = 94 % to IBM Watson
Published Temperature = 97 C Humidity = 86 % to IBM Watson
Published Temperature = 107 C Humidity = 97 % to IBM Watson
Published Temperature = 96 C Humidity = 68 % to IBM Watson
Published Temperature = 91 C Humidity = 93 % to IBM Watson
Published Temperature = 91 C Humidity = 83 % to IBM Watson
Published Temperature = 101 C Humidity = 73 % to IRM Watson
Published Temperature = 95 C Humidity = 63 % to IRM Watson
Published Temperature = 92 C Humidity = 88 % to IRM Watson
Published Temperature = 104 C Humidity = 75 % to IBM Watson
Published Temperature = 110 C Humidity = 83 % to IBM Watson
Published Temperature = 103 C Humidity = 61 % to IBM Watson
Published Temperature = 99 C Humidity = 87 % to IBM Watson
Published Temperature = 109 C Humidity = 83 % to IBM Watson
Published Temperature = 104 C Humidity = 71 % to IBM Watson
Published Temperature = 97 C Humidity = 74 % to IBM Watson
Published Temperature = 96 C Humidity = 65 % to TBM Watson
Published Temperature = 108 C Humidity = 65 % to IBM Watson
Published Temperature = 110 C Humidity = 96 % to IBM Watson
Published Temperature = 98 C Humidity = 87 % to IBM Watson
Published Temperature = 93 C Humidity = 60 % to IBM Watson
Published Temperature = 110 C Humidity = 77 % to IBM Watson
Published Temperature = 110 C Humidity = 88 % to TRM Watson
Published Temperature = 91 C Humidity = 94 % to IBM Watson
Published Temperature = 107 C Humidity = 63 % to IBM Watson
Published Temperature = 93 C Humidity = 81 % to IRM Watson
Fublished Temperature = 92 C Humidity = 89 % to IBM Watson
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