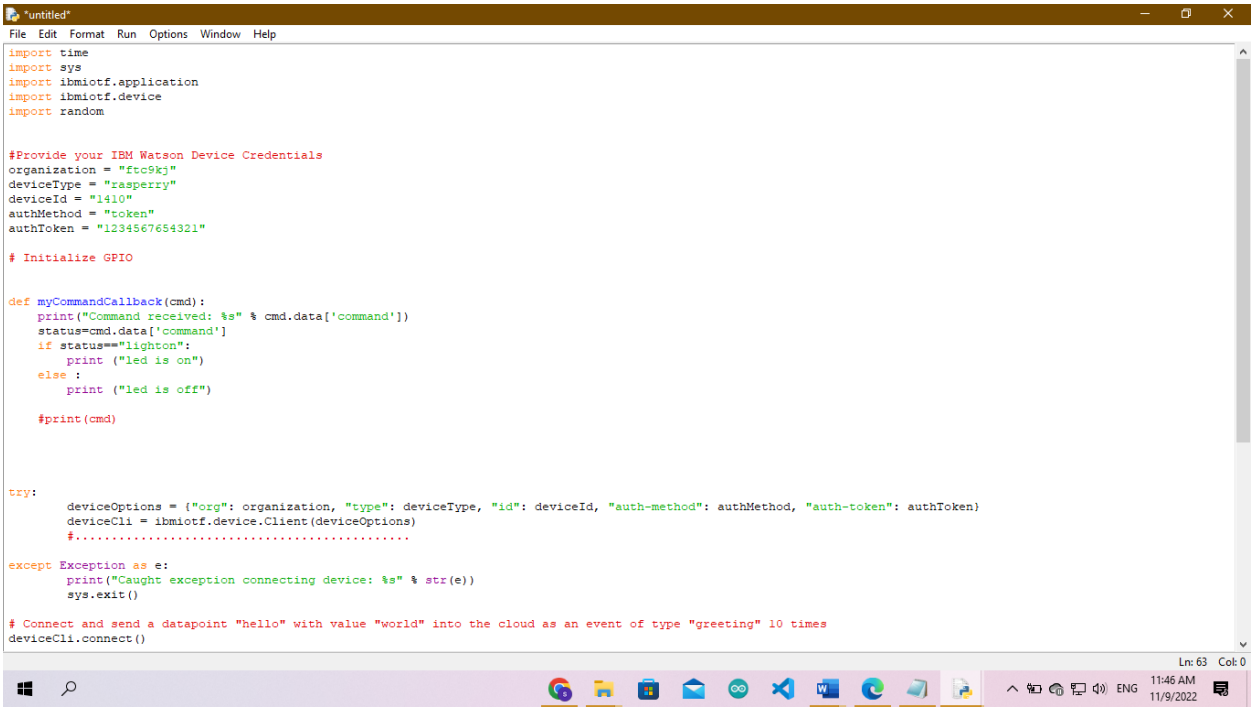
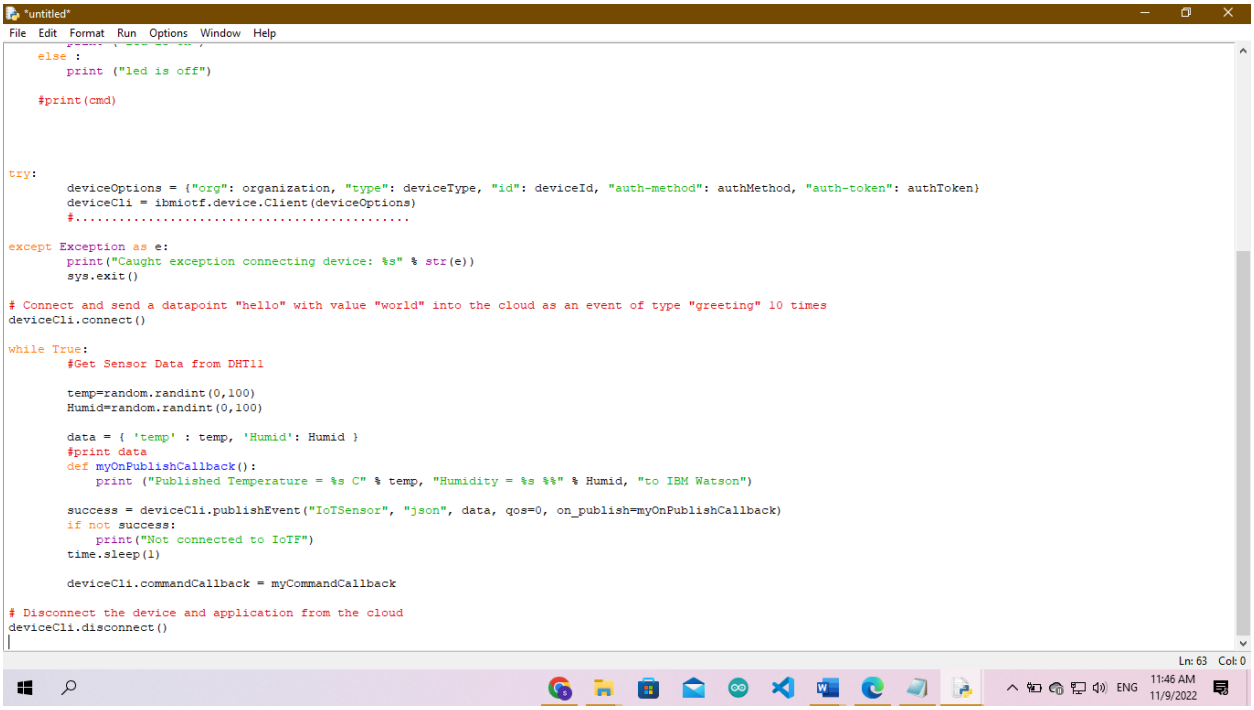

untitled
File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "ftc9kj"
deviceType = "rasperry"
deviceId = "1410"
authMethod = "token"
authToken = "1234567654321"
# Initialize GPIO
def myCommandCallback(cmd):
print("Command received: %s" % cmd.data['command'])
status=cmd.data['command']
if status=="lighton":
print ("led is on")
else :
print ("led is off")
#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()
Ln: 63 Col: 0
ENG
11:46 AM
11/9/2022


untitled
File Edit Format Run Options Window Help
else :
print ("led is off")
#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)
Humid=random.randint(0,100)
data = { 'temp' : temp, 'Humid': Humid }
#print data
def myOnPublishCallback():
print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson")
success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
if not success:
print("Not connected to IoTF")
time.sleep(1)
deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
Ln: 63 Col: 0
ENG
11:46 AM
11/9/2022


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Type "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/rajes/AppData/Local/Programs/Python/Python37/ST.PY ====
2022-11-09 11:46:17,146 ibmiotf.device.Client INFO Connected successfully: d:ftc9kj:rasperry:1410
Published Temperature = 14 C Humidity = 52 % to IBM Watson
Published Temperature = 85 C Humidity = 66 % to IBM Watson
Published Temperature = 65 C Humidity = 83 % to IBM Watson
Published Temperature = 96 C Humidity = 41 % to IBM Watson
Published Temperature = 29 C Humidity = 65 % to IBM Watson
Published Temperature = 36 C Humidity = 94 % to IBM Watson
Published Temperature = 74 C Humidity = 68 % to IBM Watson
Published Temperature = 89 C Humidity = 59 % to IBM Watson
Published Temperature = 31 C Humidity = 10 % to IBM Watson
Published Temperature = 63 C Humidity = 93 % to IBM Watson
Published Temperature = 48 C Humidity = 75 % to IBM Watson
Published Temperature = 70 C Humidity = 39 % to IBM Watson
Published Temperature = 70 C Humidity = 16 % to IBM Watson
Published Temperature = 15 C Humidity = 54 % to IBM Watson
Published Temperature = 1 C Humidity = 36 % to IBM Watson
Published Temperature = 7 C Humidity = 64 % to IBM Watson
Published Temperature = 55 C Humidity = 82 % to IBM Watson
Published Temperature = 99 C Humidity = 88 % to IBM Watson
Published Temperature = 58 C Humidity = 4 % to IBM Watson
Published Temperature = 41 C Humidity = 70 % to IBM Watson
Published Temperature = 32 C Humidity = 52 % to IBM Watson
Published Temperature = 83 C Humidity = 66 % to IBM Watson
Published Temperature = 18 C Humidity = 18 % to IBM Watson
Published Temperature = 60 C Humidity = 21 % to IBM Watson
Published Temperature = 63 C Humidity = 31 % to IBM Watson
Published Temperature = 60 C Humidity = 43 % to IBM Watson
Published Temperature = 89 C Humidity = 9 % to IBM Watson
Published Temperature = 10 C Humidity = 33 % to IBM Watson
Published Temperature = 12 C Humidity = 62 % to IBM Watson
Published Temperature = 75 C Humidity = 50 % to IBM Watson
Published Temperature = 1 C Humidity = 55 % to IBM Watson
Ln: 37 Col: 0