

DEVELOPE A PYTHON SCRIPT

Date	18 Nov 2022
Team ID	PNT2022TMID08189
Project Name	Hazardous area monitoring for industrial plant powered by IoT
Maximum Marks	4 Marks

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iot (1).py - C:\Users\ELCOT\Downloads\iot (1).py (3.7.0)
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import time
import symbol
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "05eb28"
deviceType = "abcd"
deviceId = "1234"
authMethod = "token"
authToken = "12345678"

# Initialize GPIO

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="Relayon":
        print ("Relay is on")
    elif status=="Relayoff":
        print ("Relay 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 message. Watson IoT will then send the data to the cloud as per your configuration to store
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*Python 3.7.0 Shell*
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Published Temperature = 84 C Humidity = 70 % to IBM Watson
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