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| **PYTHON CODE TO PUBLISH DATA TO IBM CLOUD**       |  |  | | --- | --- | | Date | 16st November 2022 | | Team ID | PNT2022TMID44495 | | Project Name | Gas Leakage Monitoring and Alerting  System | | Maximum Mark | 4 marks |     *Dhineshkumar.R , Sundhareswaran.R, Gunasekaran.S ,Saravanakkumaar.S, Mohamedbasidh.S*  #IBM Watson IOT Platform  #pip install wiotp-sdk  import wiotp.sdk.device  import time  import random  myConfig = {  "identity": {  "orgId": "yf0dyy ",  "typeId": "Kumaran ",  "deviceId":"12345"  },  "auth": {  "token": "VJTDPRX@f&4Vuox8ms "  }  }  def myCommandCallback(cmd):  print("Message received from IBM IoT Platform: %s" %  cmd.data['command'])  m=cmd.data['command']  client = wiotp.sdk.device.DeviceClient(config=myConfig,  logHandlers=None)  client.connect()  while True:  gas=random.randint(0,100)  temp=random.randint(0,100)  hum=random.randint(0,100)  pre=random.randint(0,100)  myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum,  'Pressure':pre }  client.publishEvent(eventId="status", msgFormat="json", data=myData,  qos=0, onPublish=None)  print("Published data Successfully: %s", myData)  client.commandCallback = myCommandCallback  time.sleep(2)  client.disconnect() | |
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