PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	16 NOVEMBER 2022
Team ID	PNT2022TMID22125
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

PYTHON CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "anrbh6",
    "typeId": "ibm",
    "deviceId":"123"
  },
  "auth": {
    "token": "in2j7FqKGXvhQ8AqAf"
  }
}
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:
  temp=random.randint(-20,125)
  hum=random.randint(0,100)
  haz gas=random.randint(0,100)
  myData={'temperature':temp, 'humidity':hum,'hazardous_gas':haz_gas}
  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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OUTPUT:

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