PROJECT :Industry Specific Intelligent Fire Management System
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Develop python script: Develop a python code for publishing random sensor data(fire,temp. if required humidity) to the IBM iot plat form.

```
#IBM Watson IOT platfotm

#Pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

import requests

import json


# For Cloud Device conectivity

myConfig={

   "identity":{

      "orgId": "346x5j",

      "typeId":"abc",

      "deviceId":"123"

      },

      "auth":{

         "token":"qwertyuiop"

      }

}
```

```
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(-20,50) # Random Temperature data

    #flamesensor=random.randint(0,100)

    gas=random.randint(0,500)   # Random Gas-sensor data

    myData={'temp':temp,'gas':gas}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data successfully:%", myData)
    client.commandCallback = myCommandCallback

    time.sleep(1) # time delay for 1 second

    if (temp > 38):
        print("Alarm is ON due to High Temperature",temp)
    else:
```

```
        print("Normal Temperature")


    if (gas > 400):
        print("Alarm is ON due to High Air pollution",gas)
    else:
        print("Normal Atmospheric gas")


    print() # dummy print for adding space between lines in output


    time.sleep(3) # time delay for 3 seconds
client.disconnect()
```