

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	Gas Leakage Monitoring and Alerting System
Maximum Mark	4 marks

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```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time import
```

```
random myConfig = {
```

```
"identity": {
```

```
"orgId": "yf0dy",
```

```
"typeId": "Kumaran 11 ,
```

```
"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()
```