

DEVELOP THE PYTHON SCRIPT

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Team ID	<u>PNT2022TMID52413</u>
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

We are getting temperature and heart rate of worker as input through scanner (python code)

Program

```
import
wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6yafic",
        "typeId": "Sprint1",
        "deviceId": "SprintID"
    },
    "auth": {
        "token": "sW(iQhEK*t)4!jgrjD"
    }
}

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:                                data=myData,  qos=0,
    temp=random.randint(0,50)
    heart=random.randint(60,100)
    myData={'temperature':temp,             'heartrate':heart}
    client.publishEvent(eventId="status", msgFormat="json",
onPublish=None) print("Published data Successfully:
%s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
    client.disconnect()
```

