

# DEVELOP THE PYTHON SCRIPT

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Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

We are getting temperature and heart rate of worker as input through the beacon 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:
    temp=random.randint(0,50)
    heart=random.randint(60,100)
    myData={'temperature':temp, 'heartrate':heart}
    client.publishEvent(eventId="status",    msgFormat="json",    data=myData,    qos=0,
onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
    client.disconnect()
```