

DEVELOP THE PYTHON SCRIPT

Date	10 November 2022	the beacon
Team ID	PNT2022TMID48761	
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()
```

