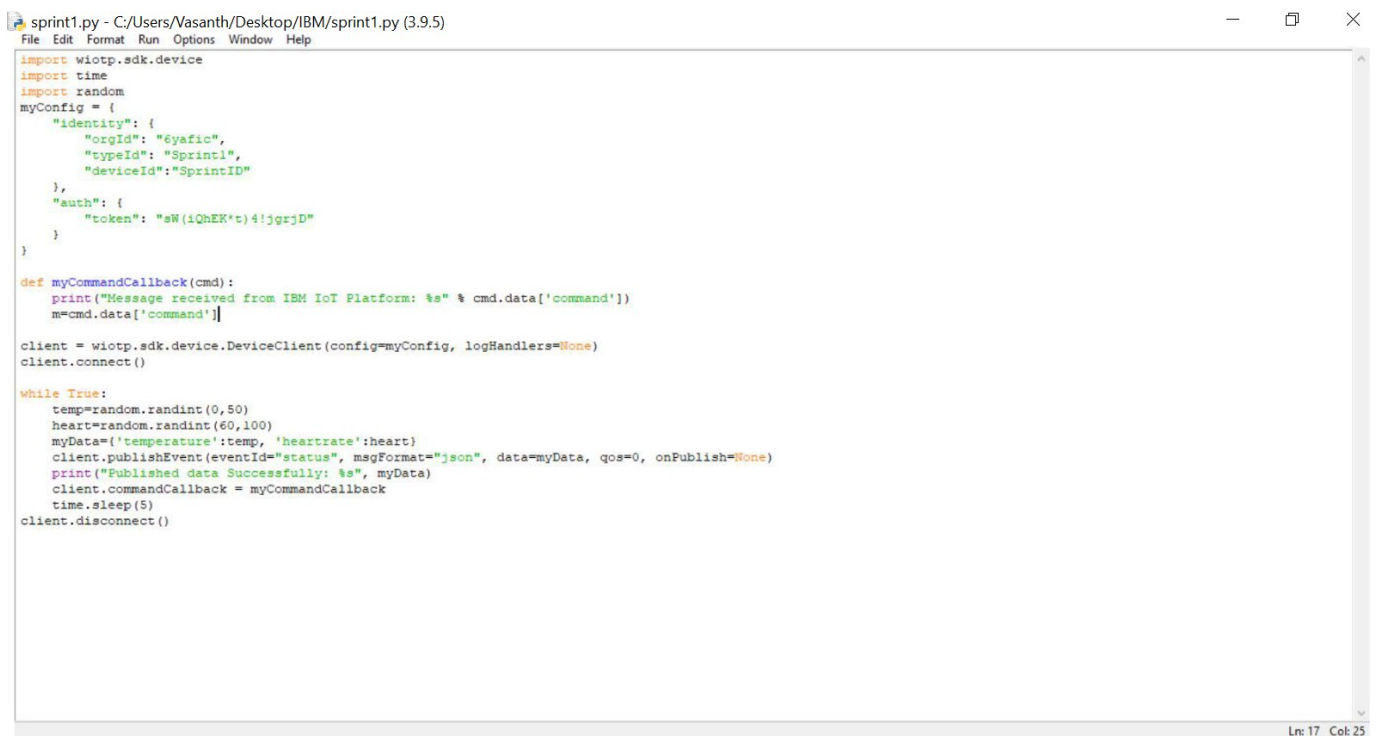


DEVELOP THE PYTHON SCRIPT

Date	17 November 2022
Team ID	PNT2022TMID10955
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)

Publishing the python script



```
sprint1.py - C:/Users/Vasanth/Desktop/IBM/sprint1.py (3.9.5)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6yaafic",
        "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, 'hearttrate':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()
```

Ln: 17 Col: 25

sprint1.py - C:/Users/Vasanth/Desktop/IBM/sprint1.py (3.9.5)

```
File Edit Format Run Options Window Help
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import time
import random
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        "typeId": "Sprint1",
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    time.sleep(5)
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IDLE Shell 3.9.5

File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>

```
==== RESTART: C:/Users/Vasanth/Desktop/IBM/sprint1.py ====
2022-11-19 14:51:00.276 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d6yafic:Sprint1:SprintIDPublished data Successfully: %s
({'temperature': 14, 'heartrate': 74})
Published data Successfully: %s ({'temperature': 49, 'heartrate': 89})
Published data Successfully: %s ({'temperature': 2, 'heartrate': 60})
```

Ln: 5 Col: 4

Ln: 17 Col: 25

IBM Watson IoT Platform

811519106051@smartinternz.com
ID: ar7q5i

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Device Simulator ☐ ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
<input checked="" type="checkbox"/>	12345678	Disconnected	node	Device	18 Nov 2022 14:18	→ ...
Identity Device Information Recent Events State Logs X						
Device ID		12345678				
Device Type		node				
Date Added		18 Nov 2022 14:18				
Added By		811519106051@smartinternz.com				
Connection Status		Disconnected				

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