PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

DATE	**5 NOVEMBER 2022**
TEAM ID	PNT2022TMID52171
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

```
#IBM Watson IOT Platform

#pip install wiotp-sdk import

wiotp.sdk.device import time

import random myConfig = {

    "identity": {

        "orgId": "yf0dyy ",

        "typeId": "Reni ",

        "deviceId":"12345"

},
```

```python
    "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:

    Railways =random.randint(0,100)

temp=random(0,100) hum=random.randint(0,100)

pre=random.random(0,100) myData={'Hazardous
RAILWAYS: railways,
'Temparature';temp,'Humidity':hum,'Pressure':pre }

clientpublishEventtid="status",
msgFormat="json",datmyData, qos=0, onPublish=None)
print("Published data successfully:%S",myData)
```

```
client.commandCallback = myCommandback
time.sleep(2) client.disconnect)
```