

PROJECT NAME	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES
TEAM ID	PNT2022TMID29275

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import wiotp.sdk.device
import time
import random
myconfig={
    "identity":{
        "orgid":"059io2",
        "typeId":"Smartwastemanagement",
        "deviceId":"1234"},
    "auth":{
        "token":"123456789"
    }}
def mycommandcallback(cmd):
    print("Message resive 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:
    latitude=random.uniform(27.2046,125.25)
    longitude=random.uniform(77.4977,100,1526)
    binlevel=random.randint(10,100)
    if binlevel>=90:
        mydata={"latitude":latitude,"longitude":longitude,"binlevel":binlevel}
        client.publishEvent(eventId="Status",msgFormat="json",data=myData, qos=0,
            onPublish=None)
        ##print("Publish data Successfully: %s",myData)
        print("!!!BIN IS FULL!!!",myData)
        client.commandCallback=myCommandCallback
        time.sleep(4)
    else:
        print("BIN IS NORMAL LEVEL")
        time.sleep(4)
client.disconnect()
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Python 3.7.9 Shell
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Python 3.7.9 (tags/v3.7.9:13c94747c7, Aug 17 2020, 16:30:00) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\siva\Desktop\ibm.py =====
2022-11-11 13:22:13.269 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:059io2:smartwastemanagement:1234
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
!!!BIN IS FULL!!! {'latitude': 72.4783972423038, 'longitude': 79.43607797171421, 'binlevel': 95}
!!!BIN IS FULL!!! {'latitude': 120.80255571441819, 'longitude': 82.08353621918947, 'binlevel': 96}
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
```

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