

## Develop a Python Script

Date	7 <sup>th</sup> November 2022
Team ID	PNT2022TMID30256
Project name	Smart waste management system for metropolitan cities
Marks	

#IBM

Watson

IOT

Platform

```
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "smartbin",
        "typeId": "IoT",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

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:
    Bin 1=random.randint(0,100)
    Bin 2=random.randint(0,100)
```

```
Bin 3=random.randint(0,100)
Bin 4=random.randint(0,100)
Bin 5=random.randint(0,100)
myData={'Bin 1':1,'Bin 2':2,'Bin 3':3,'Bin 4':4,'Bin 5':5}
client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback
time.sleep(2)
client.disconnect()
```