### PYTHON SCRIPT TO PUBLISH DATA TO IBM CLOUD

Date	09 November 2022
Team ID	PNT2022TMID42279
Project Name	Project-Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

### **PYTHON CODE:**

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
     "orgld": "udgvx5",
     "typeId": "Level_Monitoring",
    "deviceId": "Python_Script"
    },
  "auth": {
    "token": "IBM_TEAM@123"
    }}
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:
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("Published data Successfully: %s", myData)
    print("BIN IS FULL!!!!",myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
else:
    print("BIN IS IN NORMAL LEVEL")
    time.sleep(2)
```

# **PYTHON CODE:**

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### **PYTHON OUTPUT:**

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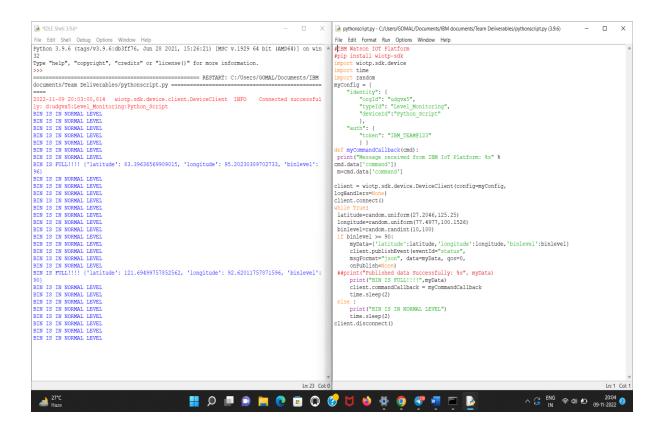
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# **IBM WATSON OUTPUT:**

