**TO DEVELOP A PYTHON SCRIPT**

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| Date | 09 NOVEMBER 2022 |
| Team ID | PNT2022TMID00354 |
| 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": {

"orgId": "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) client.disconnect()

**PYTHON IDLE OUTPUT:**

