PYTHON SCRIPT

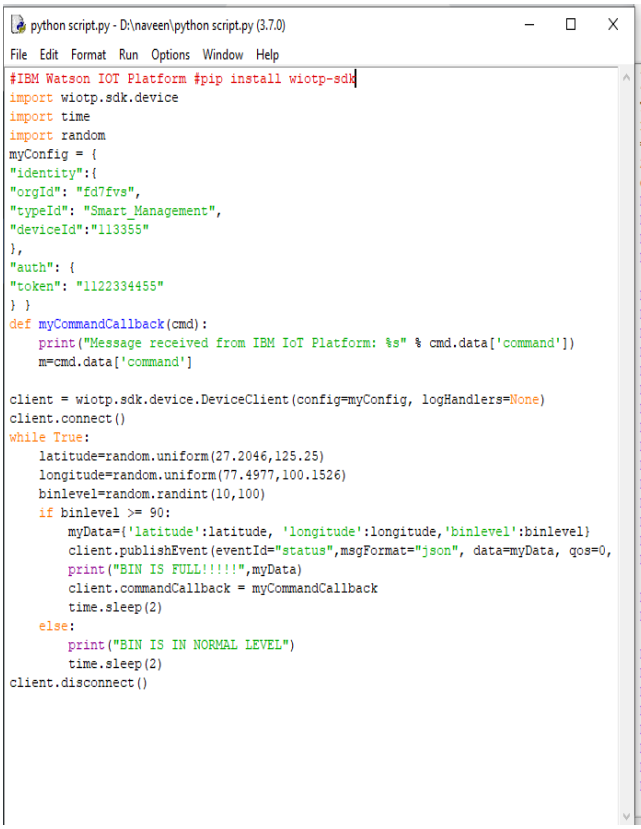
TEAM ID	PNT2022TMID44655
PROJECT NAME	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES-IOT

```
#IBM Watson IOT Platform
#pip install wiotp-sdk

import wiotp.sdk.device
import time
import random
myConfig = {
"identity":{
"orgId": "fd7fvs",
"typeId": "Smart_Management",
"deviceId":"113355"
},
"auth": {
"token": "1122334455"
} }
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("BIN IS FULL!!!!!",myData)
      client.commandCallback = myCommandCallback
      time.sleep(2)
   else:
      print("BIN IS IN NORMAL LEVEL")
      time.sleep(2)
client.disconnect()
```

OUTPUT:


python script.py - D:\naveen\python script.py (3.7.0)
File Edit Format Run Options Window Help
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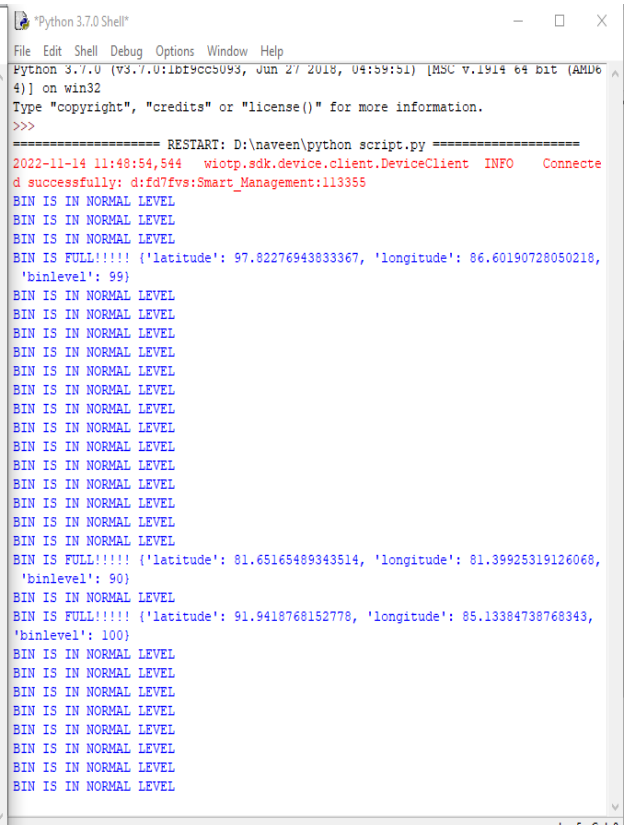
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\naveen\python script.py ==========
2022-11-14 11:48:54,544 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:fd7fvs:Smart_Management:113355
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS FULL!!!!! {'latitude': 97.82276943833367, 'longitude': 86.60190728050218, 'binlevel': 99}
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
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BIN IS IN NORMAL LEVEL
BIN IS FULL!!!!! {'latitude': 81.65165489343514, 'longitude': 81.39925319126068, 'binlevel': 90}
BIN IS IN NORMAL LEVEL
BIN IS FULL!!!!! {'latitude': 91.9418768152778, 'longitude': 85.13384738768343, 'binlevel': 100}
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
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