DEVELOP THE PYTHON CODE

```python
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time import
random myConfig = {
"identity": {
"orgId": "owxp6u",
"typeId": "ESP-32",
"deviceId":"DHT-22"
},
"auth": {
"token": "vishnu@2002"
} } 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()
```

```
=== RESTART: C:\Users\senth\AppData\Local\Programs\Python\Python39\IotIbm.py ===
2022-11-15 17:19:32,522    wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:o
wxp6u:ESP-32:DHT-22
BIN IS IN NORMAL LEVEL
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 IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS FULL!!!! {'latitude': 63.48914185871028, 'longitude': 83.62608613156462, 'binlevel': 92}
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS FULL!!!! {'latitude': 31.8898527518414, 'longitude': 90.91239047399074, 'binlevel': 90}
BIN IS IN NORMAL LEVEL
BIN IS FULL!!!! {'latitude': 69.78123705960724, 'longitude': 82.70524266251023, 'binlevel': 95}
```

IBM Watson IoT Platform

ac19uec053@smartinternz.com
ID: owxp6u

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The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"latitude":74.16264169388356,"longitude":98....	json	a few seconds ago
status	{"latitude":86.07545043038073,"longitude":93...	json	a few seconds ago
status	{"latitude":101.54781729083102,"longitude":9...	json	a few seconds ago
status	{"latitude":87.71388299215297,"longitude":86...	json	a minute ago
status	{"latitude":120.97951841275123,"longitude":8...	json	a minute ago

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0 Simulations running