

HelloWorld.py



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```

1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig={
5     "identity": {
6         "orgId": "i8fhmg",
7         "typeId": "EPS32",
8         "deviceId": "IBM05"},
9     "auth": {
10        "token": "msX&f*mDP4F&2VzcAy"}
11 }
12 def myCommandCallback (cmd):
13     print ("Message received from IBM IoT Platform: %s" %
14           cmd.data['command']) m=cmd.data['command']
15     client= wiotp.sdk.device.DeviceClient (config=myConfig,
16     logHandlers=None)
17     client.connect()
18 def pub (data):
19     client.publishEvent (eventId="status", msgFormat="json",
20     data=myData, qos=0, print("Published data Successfully: %s",
21     myData)
22 while True:
23     myData={'name': 'Train1', 'lat': 17.6387448, 'lon':
24     78.4754336)
25     pub (myData)
26     time.sleep (3)
27     myData({'name': 'Train2', 'lat': 17.6387448, 'lon':
28     78.4754336)

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29 #pub (myData)
30 #time.sleep (3)
31 myData={'name': 'Train1', 'lat': 17.6341908, 'lon':
32 78.4744722)
33 pub (myData)
34 time.sleep(3)
35 myData={'name': 'Train1', 'lat': 17.6340889, lon': 78.4745052)
36 pub (myData)
37 time.sleep(3)
38 myData={'name': 'Train1', 'lat': 17.6248626, 'lon': 78.4720259)
39 pub (myData)
40 time.sleep (3)
41 myData={'name': 'Train1', 'lat': 17.6188577, 'lon': 78.4698726)
42 pub (myData)
43 time.sleep (3)
44 myData={'name': 'Train1', 'lat': 17.6132382, 'lon':
45 78.4707318)
46 pub (myData)
47 time.sleep (3)
48 client.commandCallback = myCommandCallback
49 client.disconnect()
50 QR SCANNER CODE:
51 Import cv2
52 import numpy as np
53 import time
54 Import pyzbar.pyzbar as pyzbar
55 from ibmcloudant.cloudant_v1 import CloudantV1
56 from ibmcloudant import CouchDbSessionAuthenticator

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```

51 Import cv2
52 import numpy as np
53 import time
54 Import pyzbar.pyzbar as pyzbar
55 from ibmcloudant.cloudant_v1 import CloudantV1
56 from ibmcloudant import CouchDbSessionAuthenticator
57 from ibm_cloud_sdk_core.authenticators import
58 BasicAuthenticator
59 authenticator= BasicAuthenticator ('apikey-v2-
60 16u3crmdpkghxefdikvpssoh5fwezrmuup5fv5g3ubz',
61 'b0ab119f45d3e6255eabb978
62 service Cloudant V1 (authenticator=authenticator)
63 service.set_service_url('https://apikey-v2-
64 16u3crmdpkghxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119
65 f45d3e6255eabb978e7e2f0
66 cap= cv2.VideoCapture (0)
67 font cv2.FONT_HERSHEY_PLAIN
68 while True:
69     frame = cap.read()
70     decodedobjects = pyzbar.decode (frame)
71     for obj in decodedObjects:
72         #print ("Data", obj.data)
73         a=obj.data.decode('UTF-8')
74         cv2.putText (frame, "Ticket", (50, 50), font, 2,
75         (255, 0, 0), 3)
76         #print (a)
77         try: response = service.get_document (
78         db='booking', doc_id =

```

