DEVELOPING PYTHON SCRIPT

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LOCATION DATA:

```
import wiotp.sdk.device
import time
import random
myConfig={
"identity": (
"orgId": "f4cwb9",
"typeId": "GPS",
"deviceId":"12345"},
"auth": {
"token": "S1Dl?V9*ZIB)3RN)Xb"
}}
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()
def pub (data):
client.publishEvent (eventId="status", msgFormat="json",
data=myData, qos=0, print("Published data Successfully: %s",
```

```
myData)
while True:
myData={'name': 'Train1', 'lat': 17.6387448, 'lon':
78.4754336)
pub (myData)
time.sleep (3)
#myData('name': 'Train2', 'lat': 17.6387448, 'lon':
78.4754336)
#pub (myData)
#time.sleep (3)
myData={'name': 'Train1', 'lat': 17.6341908, 'lon':
78.4744722)
pub (myData)
time.sleep(3)
myData={'name': 'Trainl', 'lat': 17.6340889, lon': 78.4745052)
pub (myData)
time.sleep(3)
myData={'name': 'Trainl', 'lat': 17.6248626, 'lon': 78.4720259)
pub (myData)
time.sleep (3)
myData={'name': 'Trainl', 'lat': 17.6188577, 'lon': 78.4698726)
pub (myData)
time.sleep (3)
myData={'name': 'Train1', 'lat': 17.6132382, 'lon':
78.4707318)
pub (myData)
time.sleep (3)
client.commandCallback = myCommandCallback
client.disconnect()
```

QR SCANNER CODE:

```
import cv2
import numpy as np
import time
import pyzbar.pyzbar as pyzbar
from ibmcloudant.cloudant_v1
import cloudantv1
from ibmcloudant
import
CouchDbSessionAuthenticator
from ibm_cloud_
sdk_core.authenticators
import BasicAuthenticator
authenticator= BasicAuthenticator
('apikey-v2-
16u3crmdpkghhxefdikvpssoh5fw
ezrmuup5fv5g3ubz',
'b0ab119f45d3e6255eabb978')
service=Cloudant V1
(authenticator=authenticator)
service.set_service_url('https://api
key-v2-
16u3crmdpkghhxefdikvpssoh5fw
ezrmuup5fv5g3ubz:b0ab119f45d3
e6255eabb978e7e2f0')
cap= cv2.VideoCapture (0)
font cv2.FONT HERSHEY
PLAIN
while True:
    frame=cap.read(0)
```

```
    decodedobjects pyzbar.decode
(frame)
    for obj in decodedObjects:
        print ("Data",obj.data)
        a=obj.data.decode('UTF-8')
        cv2.putText (frame,
"Ticket", (50, 50), font, 2,(255, 0,
0), 3)
        print (a)
        try:
            response =
service.get_document
(db='booking', doc_id = a
).get_result()
            print (response)
            time.sleep(5)
            except Exception as e:
                print ("Not a Valid
Ticket")
                time.sleep (5)
cap.inshow("Frame", frame)
if cv2.waitKey(1) &
0xFF==ord('q'):
    break
cap.release()
cv2.destroyAllWindows ()
client.disconnect()
```