Develop a Python Script

TEAM ID	PNT2022TMID11102
TITLE	CREATE A PYTHON SCRIPT
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LOCATION DATA:

```
import wiotp.sdk.deviceimport time
import random myConfig={
"identity": ( "p5ejwx":
"crop",
"typeId": "GPS",
"deviceId":"12345"},"auth": {
"token": "O5I8AVm8D7(JIYCb)P"
}}
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 = myCommandCallbackclient.disconnect()
```

QR SCANNER CODE:

```
Import cv2
 import numpy as npimport
time
Import pyzbar.pyzbar as pyzbar
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_ sdk_core.authenticators importBasicAuthenticator
authenticator= BasicAuthenticator ('apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz','b0ab119f45d3e6255eabb978
service Cloudant V1 (authenticator-authenticator)
service.set_service_url('https://apikey-v2

16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119f45d3e6255eabb978e7e2f0
cap= cv2.VideoCapture (0) font cv2.FONT
HERSHEY PLAIN
while True:
frame cap.read()
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)

cv2.imshow("Frame", frame)

if cv2.waitKey(1) & 0xFF==ord('q'):break

cap.release() cv2.destroyAllWindows()

client.disconnect()
```