DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID33093
Project Name	Project - IOT Based Smart Crop Protection System for Agriculture

LOCATION DATA:

```
importwiotp.sdk.device import tie
import randommyConfig
={"identity":
("orgId":"gagtey",
"typeId":"GPS",
"deviceId":"12345"},"auth":{
"token":"12345678"
}}
defmyCommandCallback(cmd):
print ("Message received from IBM IoT Platform:
 %s" %cmd.data['command'])m-cmd.data['command']
client=wiotp.sdk.device.Device
Client(config=myConfig,lo
gHandlers=None) client.connect
()defpub(data)
:
   client.publishEvent (eventId="status", msgFormat="json",data=myData, qos=0,
   print("Publisheddata Successfully: %s",myData)
whileTrue:
myData={'name': 'Train1', 'lat': 17.6387448,'lon':78.4754336)
pub (myData)tim
e.sleep(3)
#myData('name': 'Train2', 'lat': 17.6387448,'lon':78.4754336)
```

#pub (myData)#ti

me.sleep(3)

myData={'name': 'Train1', 'lat': 17.6341908,'lon':78.4744722)

pub (myData)tim

e.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)tim

e.sleep(3)

client.commandCallback = myCommandCallbackclient.disconnect()

QRSCANNERCODE

importcv2 import numpy

asnpimporttime

Importpyzbar.pyzbaraspyzbar fromibmcloudant.cloudant_v1importCloudantV1

fromibmcloudantimportCouchDbSessionAuthenticator

from ibm_cloud_ sdk_core.authenticatorsimportBasicAuthenticator

authenticator= BasicAuthenticator ('apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz','b0 ab119f45d3e6255eabb978

service Cloudant V1 (authenticator-
authenticator)service.set_service_url('https:// apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0a
b119f45d3e6255eabb978e7e2f0

cap= cv2.VideoCapture

(0)fontcv2.FONTHERSHEYPLAIN

whileTrue:

framecap.read()

decodedobjects pyzbar.decode

```
(frame)forobjindecodedObjects:
#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)exceptExceptionase: print ("Not a
Valid Ticket")time.sleep
(5)cv2.imshow("Frame",fra me)
    if cv2.waitKey(1) &
   0xFF==ord('q'):break
   cap.release()cv2.destroyAllWindows
   ()client.disconnect()
```