DEVELOPINGPYTHONSCRIPT

Date	24-11-2022
TeamID	PNT2022TMID30354
ProjectName	Project - IOT based saftey gadget for childsafetymonitoringandnotification

CODE :

LOCATIONDATA:

```
import

wiotp.sdk.deviceimport

time

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.DeviceClient(config=myConfig,l

ogHandlers=None)

client.connect()

defpub(data):

client.publishEvent (eventId="status",

msgFormat="json",data=myData, qos=0, print("Published

data Successfully: %s",myData)
```

```
whileTrue:
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()
```

QRSCANNERCODE:

```
Importcv2
import numpy as
npimporttime
Importpyzbar.pyzbaraspyzbar
fromibmcloudant.cloudant_v1importCloudantV1
from ibmcloudant import
CouchDbSessionAuthenticatorfrom ibm_cloud_
sdk_core.authenticators importBasicAuthenticator
authenticator= BasicAuthenticator ('apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz','b
0ab119f45d3e6255eabb978
service Cloudant V1 (authenticator-
authenticator)service.set_service_url('https://apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119
f45d3e6255eabb978e7e2f0
cap= cv2.VideoCapture
(0)fontcv2.FONTHERSHEYPLAI
N
whileTrue:
framecap.read()
decodedobjects pyzbar.decode
(frame)forobj 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)exceptException
ase:
print ("Not a Valid
Ticket")time.sleep
(5)cv2.imshow("Frame",fra
me)
if cv2.waitKey(1) &
0xFF==ord('q'):break
cap.release()cv2.destroy
AllWindows
()client.disconnect(
```