DEVELOPING PYTHON SCRIPT

Date	29 /10/ 2022
Team ID	PNT2022TMI21741
Project Name	Project - IOT based safety gadget for child safety monitoring and notification

CODE :

LOCATION DATA:

```
import
wiotp.sdk.device
import time import
random myConfig={
"identity": (
"orgId": "gagtey",
"typeId": "GPS",
"deviceId":"12345"},
"auth": {
"token": "12345678"
}}
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-

16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz',

'b0ab119f45d3e6255eabb978

service Cloudant V1 (authenticator-authenticator)

service.set_service_url('https://apikey-v2-

16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0a

b119 f45d3e6255eabb978e7e2f0

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.destroyAllWindow

s () client.disconnect(