

IBM CODE

```
import time

import pyzbar.pyzbar as pyzbar

from ibmcloudant.cloudant_v1 import cloudant_v1

from ibmcloudant import CouchDbSessionAuthenticator

from ibm_cloud_sdk_core.authenticators import BasicAuthenticator


authenticator = BasicAuthenticator('apikey-v2-
acv8gh5fnu0u4mh2f8c5x975ae5rnphr3jxkr5d9ril','c1dd4db6e976d915751882f688e410ec')

service = CloudantV1(authenticator=authenticator)


service.set_service_url('https://apikey-v2-
acv8gh5fnu0u4mh2f8c5x975ae5rnphr3jxkr5d9ril:c1dd4db6e976d915751882f688e410ec@adad2af9
-59c4-41bb-b4b4-806f0d6962b2-bluemix.cloudantnosqldb.appdomain.cloud')


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()

```

QR SCANNER CODE

```

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", dtat=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':'Train1','lat': 17.6340889,'lon': 78.4745052}
```

```
    pub(myData)
```

```
    time.sleep(3)
```

```
    myData={'name':'Train1','lat': 17.6248626,'lon': 78.4720259}
```

```
    pub(myData)
```

```
    time.sleep(3)
```

```
    myData={'name':'Train1','lat': 17.6188577,'ion': 78.4698726}
```

```
    pub(myData)
```

```
    time.sleep(3)
```

```
    client.commandcallback = myCommandCallback
```

```
client.disconnect()
```