

```

import cv2 as cv

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

import wiotp.sdk.device

authenticator=BasicAuthenticator('apikey-v2-2ji0x00sov1b6clf61hctelp07os2c41mauy6mk7a3ot',
'6866a033c311b4968d996ca9fa217206')

service=CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-
2ji0x00sov1b6clf61hctelp07os2c41mauy6mk7a3ot:6866a033c311b4968d996ca9fa217206@53e407
7b-d008-4545-8ea1-1d70926b1b71-bluemix.cloudantnosqldb.appdomain.cloud')

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```

cap = cv.VideoCapture(0)

font = cv.FONT_HERSHEY_PLAIN

if not cap.isOpened():

    print("Cannot open camera")

    exit()

```

```

myConfig = {

    "identity" :{

        "orgId":"u3neop",

        "typeId":"qrcode",

        "deviceId":"1234567"

    },

    "auth":{

        "token":"1234567890"

    }

}

```

```

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=response, qos=0,
onPublish=None)

    print("Published data Successfully: %s",response)
    print("\n")

while True:
    ret, frame=cap.read()
    decodedObjects = pyzbar.decode(frame)
    if not ret:
        print("Can't receive frame (stream end?). Exiting ...")
        break
    for obj in decodedObjects:
        a=obj.data.decode('UTF-8')
        cv.putText(frame, "Ticket", (50,50),font,2,
            (255 ,0, 0),3)

    try:
        response=service.get_document(
            db='bookingdetails',
            doc_id = a
        ).get_result()
        print(response)
        print("\n\n")

```

```
        pub(response)
        time.sleep(5)
except Exception as e:
    response={'Error':'Not a Valid Ticket'}
    pub(response)
    print("Not a Valid Ticket")
    print("\n\n")
    time.sleep(5)

cv.imshow("Frame" ,frame)
if cv.waitKey(1) & 0xFF == ord('q'):
    break
client.commandCallback = myCommandCallback
cap.release()
cv.destroyAllWindows()
client.disconnect()
```