

Team ID	PNT2022TMID03711
Project Name	Smart solution for Railways.

### QR SCANNER CODE:

```

from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-16u3crmdpkghhxefdi
kvpssoh5fwezrmuup5fv5g3ubz', 'b0ab119f45d3e6255eabb978')
service = CloudantV1(authenticator=authenticator)

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()
```