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TEAM ID	PNT2022TMID13912
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

PROGRAM

```python
import cv2
import numpy as np
import time
import pyzbar.pyzbar as buzbar
from ibmcloud.cloudant_v1 import cloudantv1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator


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


service.set_service_url('https://apikey-v2-
16u3ermdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119145d3e6255eabb978e7e2f0')


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(
```

```python
                            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()
```