# SPRINT 3 -TEST CASE

## *PYTHON SCRIPT TO SCAN QR CODE:*

```
import cv2
import numpy as np
import time
import pyzbar.pyzbar as pyzbar from pyzbar.pyzbar
import decode
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-
125rwcp4ifi6zz2ly1cq0kakyjn98du2ysgc72h53lzi', 'af693938842290ec2c254461754447b5')

service = CloudantV1(authenticator=authenticator)




service.set_service_url('https://apikey-v2-
125rwcp4ifi6zz2ly1cq0kakyjn98du2ysgc72h53lzi:af693938842290ec2c254461754447b5@8
2d87499- 4395-4f46-a190-6a186bee5051-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:
```

```python
#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 TICKER")
    time.sleep(5)



    cv2.imshow("Frame",frame)

    if cv2.waitKey(1) & 0xFF ==ord('q'): break


cap.release() cv2.destroyAllWindows() client.disconnect()
```
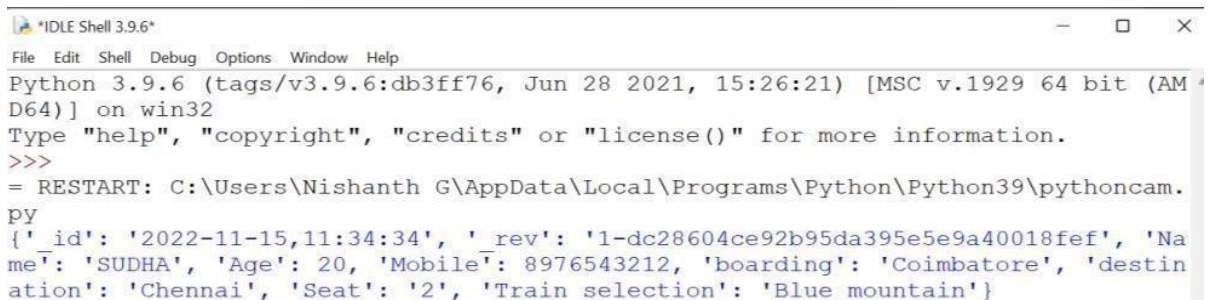
TEST CASE:

Python Code Out

QR Code :



```
*IDLE Shell 3.9.6*                                                    —   □   ×
File  Edit  Shell  Debug  Options  Window  Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Nishanth G\AppData\Local\Programs\Python\Python39\pythoncam.
py
{'_id': '2022-11-15,11:34:34', '_rev': '1-dc28604ce92b95da395e5e9a40018fef', 'Na
me': 'SUDHA', 'Age': 20, 'Mobile': 8976543212, 'boarding': 'Coimbatore', 'destin
ation': 'Chennai', 'Seat': '2', 'Train selection': 'Blue mountain'}
```