**Bharatiya Vidya Bhavans**

**Prism School**

**INFORMATICS PRACTICES**

**PROJECT FILE**

**CLASS:- XII ‘A’**

**PREPARED BY:- GUIDED BY:-**

**Shivansh Mishra Mr. SP Tiwari**

**CERTIFICATE**

The project report entitled “**RAILWAY RESERVATION SYSTEM**”

Submitted by Shivansh Mishra of class **XII ‘A’** for the CBSE Senior Secondary Examination 2023-24, **Class XII** for Informatics Practices has been **examined**.

***SIGNATURE OF EXAMINER***

# ACKNOWLEDGEMENT

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I also thanks to my parents for their motivation & support. I must thanks to my class mates for their timely help & support for completion of this project.

**Last but not the least I would like to thanks all those who had helped directly and indirectly towards the completion of this project.**

**Shivansh Mishra**

**Class :XII –A**

## CONTENTS

### \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. TABLE STRUCTURE
2. PYTHON CODE

3. INPUT/OUTPUT INTERFACE

4. BIBLIOGRAPHY

**Project On “RAILWAY RESERVATION SYSTEM”**

**DBMS: MySQL**

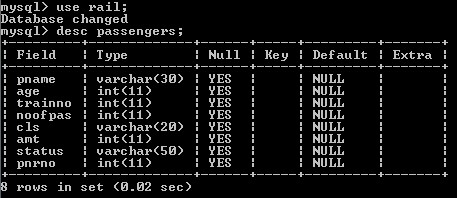
**Host : localhost**

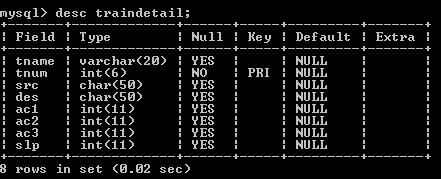
**User: root**

**Password: cement**

**DataBase: RAIL**

**Table Structure: (Images Bellow)**





**PYTHON CODE:**

import mysql.connector

mydb=mysql.connector.connect(host="localhost",user="root",passwd="ro ot",database="rail"); mycursor=mydb.cursor() def railresmenu():

print("--------------------------------------------------------\nRailway Reservation\n--------------------------------------------------------") print("1.Train Detail") print("2.Reservation of Ticket") print("3.Cancellation of Ticket") print("4.Display PNR status") print("5.Passengers Detail") print("6.Quit")

n=int(input("enter your choice :")) if(n==1):

traindetail() elif(n==2):

reservation() elif(n==3): cancel() elif(n==4):

displayPNR() elif(n==5):

psgdetail() elif(n==6): exit(0) else:

print("\_\_\_\_\_\_\_\_wrong choice\_\_\_\_\_\_\_\_")

def traindetail():

print("--------------------------------------------------------\nTrain Details\n--------

------------------------------------------------") ch='y' while (ch=='y'):

l=[]

name=input("enter train name :") l.append(name)

tnum=int(input("enter train number :")) l.append(tnum)

ac1=int(input("enter number of AC 1 class seats :")) l.append(ac1)

ac2=int(input("enter number of AC 2 class seats :")) l.append(ac2)

ac3=int(input("enter number of AC 3 class seats :"))

l.append(ac3)

slp=int(input("enter number of sleeper class seats :")) l.append(slp) train=(l) sql="insert into

traindetail(tname,tnum,ac1,ac2,ac3,slp)values(%s,%s,%s,%s,%s,%s)" mycursor.execute(sql,train) mydb.commit()

print("insertion completed")

print("Do you want to insert more train Detail") ch=input("enter yes/no") print('\n')

print("=================================================== ================")

railresmenu()

def reservation():

print('--------------------------------------------------------

\nWELCOME\nto\nTRAIN RESERVATION SYSTEM\n-------------------------

-------------------------------') pnr=1024

l1=[]

pname=input("enter passenger name=")

l1.append(pname)

age=input("enter age of passenger =") l1.append(age)

trainno=input("enter train number") l1.append(trainno)

np=int(input("Enter number of passanger:")) l1.append(np)

print("select a class you would like to travel in") print("1.AC FIRST CLASS") print("2.AC SECOND CLASS") print("3.AC THIRD CLASS") print("4.SLEEPER CLASS") cp=int(input("Enter your choice:")) if(cp==1):

amount=np\*1000 cls='ac1' elif(cp==2): amount=np\*800 cls='ac2' elif(cp==3): amount=np\*500 cls='ac3' else:

amount=np\*350

cls='slp'

l1.append(cls)

print("Total amount to be paid:",amount) l1.append(amount) pnr=pnr+1

print("PNR Number:",pnr) print("status: confirmed") sts='conf' l1.append(sts) l1.append(pnr) train1=(l1) sql="insert into

passengers(pname,age,trainno,noofpas,cls,amt,status,pnrno)values(%s,

%s,%s,%s,%s,%s,%s,%s)"

mycursor.execute(sql,train1) mydb.commit()

print("insertion completed") print("Go back to menu")

print('\n')

print("=================================================== ================")

railresmenu()

def cancel():

print("--------------------------------------------------------\nTicket cancel window\n--------------------------------------------------------") pnr=input("enter PNR for cancellation of Ticket") pn=(pnr,)

sql="update passengers set status='deleted' where pnrno=%s" mycursor.execute(sql,pn) mydb.commit()

print("Deletion completed") print("Go back to menu")

print("=================================================== ================")

railresmenu()

def displayPNR():

print("--------------------------------------------------------\nPNR Status window\n--------------------------------------------------------") pnr=input("enter PNR NUMBER") pn=(pnr,)

sql="select \* from passengers where pnrno=%s" mycursor.execute(sql,pn) res=mycursor.fetchall()

print("PNR STATUS are as follows : ")

print("(pname,age,trainno, noofpas,cls,amt,status, pnrno)") for x in res: print(x)

print("Go back to menu")

print('\n')

print("=================================================== ================")

railresmenu()

def psgdetail():

print("--------------------------------------------------------\nPassengers Detail

Window\n--------------------------------------------------------") mycursor.execute('select \* from passengers') for i in mycursor: print(i)

print("Go back to menu")

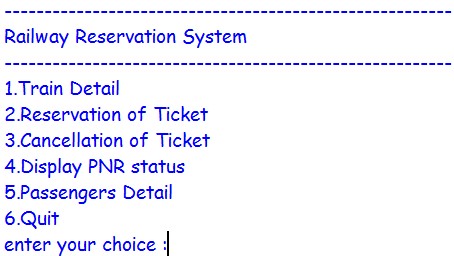
print('\n')

print("=================================================== ================")

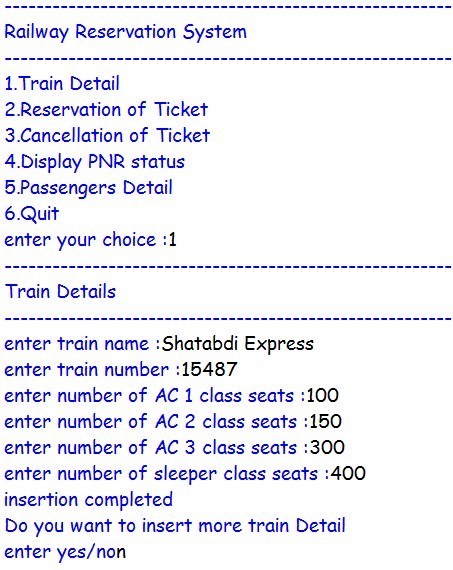
railresmenu()

railresmenu() displayPNR() cancel() reservation() traindetail() psgdetail()

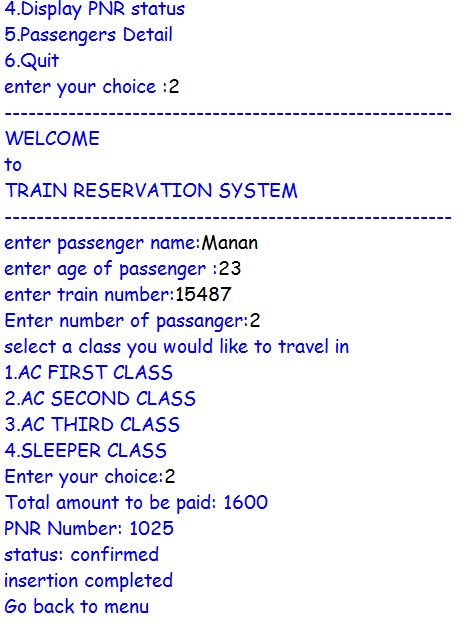
**OUTPUT SCREEN:**



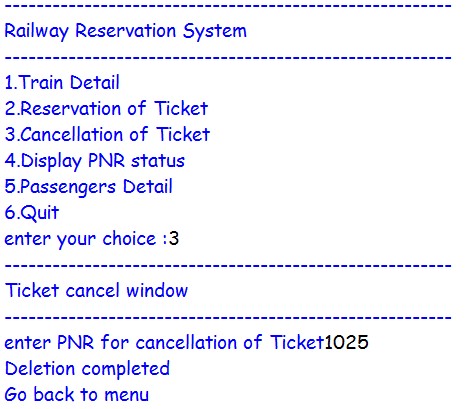
* **Train detail window**



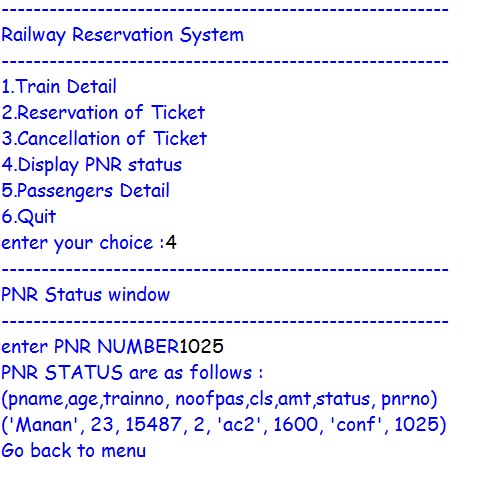
* **Reservation window**



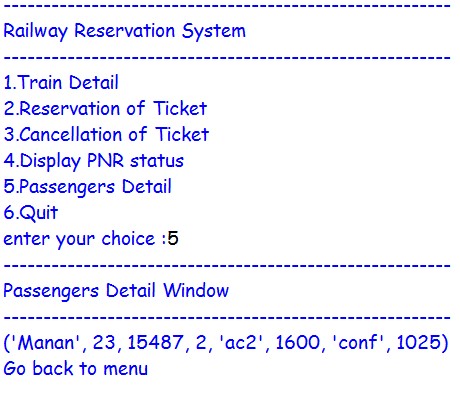
* **Cancellation of ticket window**



* **Display PNR status window**



**--** **passengers details**



## BIBLIOGRAPHY

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3. pythontrends.wordpress.com