

```
from pickle import load,dump

import time

import random

import os

class tickets:

    def __init__(self):

        self.no_ofac1stclass=0

        self.totaf=0

        self.no_ofac2ndclass=0

        self.no_ofac3rdclass=0

        self.no_ofsleeper=0

        self.no_oftickets=0

        self.name=""

        self.age=""

        self.resno=0

        self.status=""

    def ret(self):

        return(self.resno)

    def retname(self):

        return(self.name)

    def display(self):

        f=0

        fin1=open("tickets.dat","rb")

        if not fin1:

            print "ERROR"
```

```

else:

    print

    n=int(raw_input("ENTER PNR NUMBER : "))

    print "\n\n"

    print ("FETCHING DATA . . .".center(80))

    time.sleep(1)

    print

    print('PLEASE WAIT...!!'.center(80))

    time.sleep(1)

    os.system('cls')

    try:

        while True:

            tick=load(fin1)

            if(n==tick.ret()):

                f=1

                print "="*80

                print("PNR STATUS".center(80))

                print"="*80

                print

                print "PASSENGER'S NAME :",tick.name

                print

                print "PASSENGER'S AGE :",tick.age

                print

                print "PNR NO :",tick.resno

                print

```

```

        print "STATUS :",tick.status

        print

        print "NO OF SEATS BOOKED : ",tick.no_oftickets

        print

    except:

        pass

    fin1.close()

    if(f==0):

        print

        print "WRONG PNR NUMBER..!!"

        print

def pending(self):

    self.status="WAITING LIST"

    print "PNR NUMBER :",self.resno

    print

    time.sleep(1.2)

    print "STATUS = ",self.status

    print

    print "NO OF SEATS BOOKED : ",self.no_oftickets

    print

def confirmation (self):

    self.status="CONFIRMED"

    print "PNR NUMBER : ",self.resno

    print

    time.sleep(1.5)

```

```

    print "STATUS = ",self.status

    print

def cancellation(self):

    z=0

    f=0

    fin=open("tickets.dat","rb")

    fout=open("temp.dat","ab")

    print

    r= int(raw_input("ENTER PNR NUMBER : "))

    try:

        while(True):

            tick=load(fin)

            z=tick.ret()

            if(z!=r):

                dump(tick,fout)

            elif(z==r):

                f=1

    except:

        pass

    fin.close()

    fout.close()

    os.remove("tickets.dat")

    os.rename("temp.dat","tickets.dat")

    if (f==0):

        print

```

```

        print "NO SUCH RESERVATION NUMBER FOUND"

        print

        time.sleep(2)

        os.system('cls')

    else:

        print

        print "TICKET CANCELLED"

        print "RS.600 REFUNDED...."

def reservation(self):

    trainno=int(raw_input("ENTER THE TRAIN NO:"))

    z=0

    f=0

    fin2=open("tr1details.dat")

    fin2.seek(0)

    if not fin2:

        print "ERROR"

    else:

        try:

            while True:

                tr=load(fin2)

                z=tr.gettrainno()

                n=tr.gettrainname()

                if (trainno==z):

                    print

                    print "TRAIN NAME IS : ",n

```

```

f=1

print

print "-"*80

no_ofac1st=tr.getno_ofac1stclass()

no_ofac2nd=tr.getno_ofac2ndclass()

no_ofac3rd=tr.getno_ofac3rdclass()

no_ofsleeper=tr.getno_ofsleeper()

if(f==1):

    fout1=open("tickets.dat","ab")

    print

    self.name=raw_input("ENTER THE PASSENGER'S NAME ")

    print

    self.age=int(raw_input("PASSENGER'S AGE : "))

    print

    print"\t\t SELECT A CLASS YOU WOULD LIKE TO TRAVEL IN :- "

    print "1.AC FIRST CLASS"

    print

    print "2.AC SECOND CLASS"

    print

    print "3.AC THIRD CLASS"

    print

    print "4.SLEEPER CLASS"

    print

    c=int(raw_input("\t\t\tENTER YOUR CHOICE = "))

    os.system('cls')

```

```

amt1=0

if(c==1):

    self.no_oftickets=int(raw_input("ENTER NO_OF FIRST CLASS AC SEATS
TO BE BOOKED : "))

    i=1

    while(i<=self.no_oftickets):

        self.totaf=self.totaf+1

        amt1=1000*self.no_oftickets

        i=i+1

    print

    print "PROCESSING. .",

    time.sleep(0.5)

    print ".",

    time.sleep(0.3)

    print'.'

    time.sleep(2)

    os.system('cls')

    print "TOTAL AMOUNT TO BE PAID = ",amt1

    self.resno=int(random.randint(1000,2546))

    x=no_ofac1st-self.totaf

    print

    if(x>0):

        self.confirmation()

        dump(self,fout1)

        break

    else:

```

```

        self.pending()

        dump(tick,fout1)

        break

    elif(c==2):

        self.no_oftickets=int(raw_input("ENTER NO_OF SECOND CLASS AC
SEATS TO BE BOOKED : "))

        i=1

```

```

def menu():

    tr=train()

    tick=tickets()

    print

    print "WELCOME TO PRAHIT AGENCY".center(80)

    while True:

        print

        print "="*80

        print " \t\t\t RAILWAY"

        print

        print "="*80

        print

        print "\t\t\t1. **UPDATE TRAIN DETAILS."

        print

        print "\t\t\t2. TRAIN DETAILS. "

        print

```


[illegible]

```

        tr.getinput()
        dump(tr,fout)
        fout.close()

        print"\n\n\n\n\n\n\n\n\n\n\t\tUPDATING TRAIN LIST PLEASE WAIT . .",
        time.sleep(1)

        print ("."),
        time.sleep(0.5)

        print ("."),
        time.sleep(2)

        os.system('cls')

        print "\n\n\n\n\n\n\n\n\n\n"

        x=raw_input("\t\tDO YOU WANT TO ADD ANY MORE TRAINS DETAILS ?

")

        os.system('cls')

        continue

    elif(j<>r):

        print"\n\n\n\n\n\n"

        print "WRONG PASSWORD".center(80)

    elif ch==2:

        fin=open("tr1details.dat",'rb')

        if not fin:

            print "ERROR"

        else:

            try:

                while True:

                    print"*"*80

```

```
print"\t\t\t\t\tTRAIN DETAILS"
```

```
print"*"*80
```

```
print
```

```
tr=load(fin)
```

```
tr.output()
```

```
raw_input("PRESS ENTER TO VIEW NEXT TRAIN DETAILS")
```

```
os.system('cls')
```

```
except EOFError:
```

```
pass
```

```
elif ch==3:
```

```
print'*'*80
```

```
print "\t\t\t\t\tRESERVATION OF TICKETS"
```

```
print'*'*80
```

```
print
```

```
tick.reservation()
```

```
elif ch==4:
```

```
print"*"*80
```

```
print"\t\t\t\t\tCANCELLATION OF TICKETS"
```

```
print
```

```
print"*"*80
```

```
print
```

```
tick.cancellation()
```

```
elif ch==5:
```

```
    print "="*80
```

```
    print("PNR STATUS".center(80))
```

```
    print "="*80
```

```
    print
```

```
    tick.display()
```

```
elif ch==6:
```

```
    quit()
```

```
raw_input("PRESS ENTER TO GO TO BACK MENU".center(80))
```

```
os.system('cls')
```

```
menu()
```