

```

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 : "))

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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

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        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

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Fin2=open("tr1details.dat")
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Fin2.seek(0)
```

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If not fin2:
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```
    Print "ERROR"
```

```
else:
```

```
    Try:
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        While True:
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```
            Tr=load(fin2)
```

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            Z=tr.gettrainno()
```

```
            N=tr.gettrainname()
```

```
            If (trainno==z):
```

```
                Print
```

```
                Print "TRAIN NAME IS : ",n
```

```
                F=1
```

```
                Print
```

```
                Print "-"*80
```

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                No_ofac1st=tr.getno_ofac1stclass()
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                No_ofac2nd=tr.getno_ofac2ndclass()
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                No_ofac3rd=tr.getno_ofac3rdclass()
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                No_ofsleeper=tr.getno_ofsleeper()
```

```
            If(f==1):
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                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 :- "
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```
                Print "1.AC FIRST CLASS"
```

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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 :
"))
    l=1
    While(i<=self.no_oftickets):
        Self.totaf=self.totaf+1
        Amt1=1000*self.no_oftickets
        l=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

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        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
: "))

    l=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."

```

Tr.getInput()


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    Dump(tr,fout)
    Fout.close()

    Print"\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"
    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()

```

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        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()

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

```
Os.system('cls')
```

```
Menu()
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