

Team ID	PNT2022TMID44114
Project Name	Smart solution for Railways.

TICKET CANCELLATION

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from pickle import load,dumpimport time
import randomimport os class tickets:
def__init__(self): self.no_ofac1stclass=0 self.totaf=0 self.no_ofac2ndclass=0
self.no_ofac3rdclass=0self.no_ofsleeper=0 self.no_oftickets=0 self.name="
self.age=" self.resno=0self.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

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print "PASSENGER'S NAME :",tick.nameprint
print "PASSENGER'S AGE :",tick.ageprint
print "PNR NO :",tick.resnoprnt
print "STATUS :",tick.statusprint
print "NO OF SEATS BOOKED : ",tick.no_ofticketsprint
except:

pass fin1.close()if(f==0):

print

print "WRONG PNR NUMBER..!!"

print

def pending(self): self.status="WAITING LIST" print "PNR NUMBER :",self.resnoprnt
time.sleep(1.2)

print "STATUS = ",self.statusprint
print "NO OF SEATS BOOKED : ",self.no_ofticketsprint
def confirmation (self): self.status="CONFIRMED"
print "PNR NUMBER : ",self.resnoprnt
time.sleep(1.5)

print "STATUS = ",self.statusprint
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):

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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"

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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 ACSEATS TO BE
BOOKED : "))
    i=1 while(i<=self.no_oftickets):
        self.totaf=self.totaf+1 amt1=1000*self.no_ofticketsi=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 ACSEATS 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\t RAILWAY"print

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[illegible]

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os.system('cls')
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continueelif(j<>r):
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print"\n\n\n\n\n"
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print "WRONG PASSWORD".center(80)elif ch==2:
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```
fin=open("tr1details.dat",'rb')if not fin:
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```
print "ERROR"else:
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try:
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while True: print"*"*80
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print"\t\t\t\t\tTRAIN DETAILS"print"*"*80
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print tr=load(fin)tr.output()
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raw_input("PRESS ENTER TO VIEW NEXT TRAIN DETAILS")
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os.system('cls')except EOFError:
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passelif ch==3:
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print'='*80
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print "\t\t\t\t\tRESERVATION OF TICKETS"
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print'='*80print
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```
tick.reservation()elif ch==4:
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print"="*80
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print"\t\t\t\t\tCANCELLATION OF TICKETS"print
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print"="*80print
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tick.cancellation()elif ch==5:
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print "="*80
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print("PNR STATUS".center(80))print"="*80
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print tick.display()
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elif ch==6:quit()
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raw_input("PRESS ENTER TO GO TO BACK MENU".center(80))os.system('cls')
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menu()
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