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Acknowledgement

W

ith great joy and pleasure, I hereby present my Project in Computer Science on “**Railway Reservation System-2018**”. I feel extremely glad and satisfied after completion of the project. It has been a tremendous learning experience for me to be a part of such an eventful project under the able guidance of our learned teacher of Computer Science, ASTA DAS KHAN SIR. I am highly obliged to her for her kind guidance in all sphere of this project.

This project report has taught me a number of skills and aspects of project development, which I was totally unaware of.

I take this opportunity to also thank all concerned that whom I might have missed out to mention here, who have helped me far beyond their duties in the fulfillment of this project.

With regards to all of them,

Amartya Paul

Class : XII-S4

Roll No.:

B.G.K.V. Salt Lake

**INTRODUCTION**

T

he **Project Railway Management System** provides us to book our tickets and search fast the status of availability of the tickets and trains. This project can also handle the tickets of passengers and trains both. But no fees related option is here. Project can’t check the delicacy of the train code and name ofpassengers. The project has a lot of scope to update in future. This project partially fulfill our purpose in our little bit of knowledge.

/\* Project Title : RAILWAY MANAGEMENT SYSTEM - 2018

Environment Used : Turbo C++ Version 3.0

Authors : JYOTIRMOY KUNDU

\*/

#include<iostream.h>

#include<conio.h>

#include<fstream.h>

#include<string.h>

#include<stdio.h>

#include<stdlib.h>

#include<dos.h>

class Train

{

char tr\_no[6];

char tr\_name[20];

char tr\_start[20];

char tr\_ddate[11];

char tr\_dtime[6];

char tr\_destination[20];

char tr\_adate[11];

char tr\_atime[6];

int tr\_seats;

int tr\_fare;

public:

Train(Train &obj)

{

strcpy(tr\_no,obj.tr\_no);

strcpy(tr\_name,obj.tr\_name);

strcpy(tr\_start,obj.tr\_start);

strcpy(tr\_ddate,obj.tr\_ddate);

strcpy(tr\_dtime,obj.tr\_dtime);

strcpy(tr\_destination,obj.tr\_destination);

strcpy(tr\_adate,obj.tr\_destination);

strcpy(tr\_atime,obj.tr\_atime);

tr\_seats=obj.tr\_seats;

tr\_fare=obj.tr\_fare;

}

Train()

{

}

void getTrainDetails();

void displayTrainDetails();

void writeTrainDetails();

void ListAllTrainDetails();

void TrainSearch();

void TrainModification();

void TrainDeletion();

void ticket\_Seat\_updation(char \*st,int num);

char \* getTrainNumber()

{

return tr\_no;

}

int getTrainSeats()

{

return tr\_seats;

}

void seatUpdation(int stno)

{

tr\_seats-=stno;

}

};

//--------------------------------------------------------------------------

class ticket

{

char bk\_ticket\_no[6];

char bk\_trno[6];

char bk\_name[20];

char bk\_add[20];

char bk\_phno[12];

char bk\_sex;

int age;

public:

void get\_ticket();

void ticket\_Booking();

int ticket\_availabilty(char \*tno,int n);

void ticket\_cancel();

void list\_ticket();

void displayTicket();

void ticketSearch();

char \* get\_ticket\_no()

{

return bk\_ticket\_no;

}

char \* getBook\_trno()

{

return bk\_trno;

}

};

//---------------------------------------------------------------------------

void prog\_loading();

void pass\_word();

void help();

void main()

{

prog\_loading();

pass\_word();

//remove("Train.dat"); //command for deletion of file Train.dat

//remove("ticket.dat"); //command for deletion of file ticket.dat

Train obj;

ticket tobj;

int opt;

int r,c;

int Rcur,Ccur;

int t=75;

do

{

r=2;c=12;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððð MAIN MENU ððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

cout<<"º Add New Train........................................1 º";gotoxy(c,++r);delay(t);

cout<<"º Search Train.........................................2 º";gotoxy(c,++r);delay(t);

cout<<"º List of All Trains...................................3 º";gotoxy(c,++r);delay(t);

cout<<"º Train Modification...................................4 º";gotoxy(c,++r);delay(t);

cout<<"º Train Deletion.......................................5 º";gotoxy(c,++r);delay(t);

cout<<"º Ticket Booking.......................................6 º";gotoxy(c,++r);delay(t);

cout<<"º Ticket View..........................................7 º";gotoxy(c,++r);delay(t);

cout<<"º List All Tickets.....................................8 º";gotoxy(c,++r);delay(t);

cout<<"º Ticket Cancelation...................................9 º";gotoxy(c,++r);delay(t);

cout<<"º Help................................................10 º";gotoxy(c,++r);delay(t);

cout<<"º Exit.................................................0 º";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

Rcur=r;

Ccur=c+30;

cout<<"º Your Option Please[0-10] : º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

gotoxy(Ccur,Rcur);

cin>>opt;

switch(opt)

{

case 1:

obj.writeTrainDetails();

break;

case 2:

clrscr();

obj.TrainSearch();

break;

case 3:

clrscr();

obj.ListAllTrainDetails();

break;

case 4:

clrscr();

obj.TrainModification();

break;

case 5:

clrscr();

obj.TrainDeletion();

break;

case 6:

clrscr();

tobj.ticket\_Booking();

break;

case 7:

clrscr();

tobj.ticketSearch();

break;

case 8:

clrscr();

tobj.list\_ticket();

break;

case 9:

clrscr();

tobj.ticket\_cancel();

break;

case 10:

clrscr();

help();

break;

case 0:

exit(0);

default:

cout<<"\a";

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º Invalid Option..!! Press Any Key.. º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

}//end of switch

getch();

}while(1);

}//end of main

//===========================================================================

void Train::getTrainDetails() //function for input of Train details

{

int r=2,c=12,Rcur,Ccur,t=75;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððð ®¯ Train Entry Form ®¯ ððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

Rcur=r;

cout<<"º Train Number : º";gotoxy(c,++r);delay(t);

cout<<"º Train Name : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Places : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Date : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Time : º";gotoxy(c,++r);delay(t);

cout<<"º Destination : º";gotoxy(c,++r);delay(t);

cout<<"º Arrival Date : º";gotoxy(c,++r);delay(t);

cout<<"º Arrival Time : º";gotoxy(c,++r);delay(t);

cout<<"º Number of Seats : º";gotoxy(c,++r);delay(t);

cout<<"º Train Fare : º";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

Ccur=c+26;

gotoxy(Ccur,Rcur);

gets(tr\_no);

gotoxy(Ccur,++Rcur);

gets(tr\_name);

gotoxy(Ccur,++Rcur);

gets(tr\_start);

gotoxy(Ccur,++Rcur);

gets(tr\_ddate);

gotoxy(Ccur,++Rcur);

gets(tr\_dtime);

gotoxy(Ccur,++Rcur);

gets(tr\_destination);

gotoxy(Ccur,++Rcur);

gets(tr\_adate);

gotoxy(Ccur,++Rcur);

gets(tr\_atime);

gotoxy(Ccur,++Rcur);

cin>>tr\_seats;

gotoxy(Ccur,++Rcur);

cin>>tr\_fare;

}

//===========================================================================

void Train ::displayTrainDetails() // function for display of Trains

{

int r=2,c=12,Rcur,Ccur,t=75;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððð ±± ®¯ Train Details ®¯ ±±± ðððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

Rcur=r;

cout<<"º Train Number : º";gotoxy(c,++r);delay(t);

cout<<"º Train Name : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Places : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Date : º";gotoxy(c,++r);delay(t);

cout<<"º Departure Time : º";gotoxy(c,++r);delay(t);

cout<<"º Destination : º";gotoxy(c,++r);delay(t);

cout<<"º Arrival Date : º";gotoxy(c,++r);delay(t);

cout<<"º Arrival Time : º";gotoxy(c,++r);delay(t);

cout<<"º Number of Seats : º";gotoxy(c,++r);delay(t);

cout<<"º Train Fare : º";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

Ccur=c+26;

gotoxy(Ccur,Rcur);

cout<<tr\_no;

gotoxy(Ccur,++Rcur);

cout<<tr\_name;

gotoxy(Ccur,++Rcur);

cout<<tr\_start;

gotoxy(Ccur,++Rcur);

cout<<tr\_ddate;

gotoxy(Ccur,++Rcur);

cout<<tr\_dtime;

gotoxy(Ccur,++Rcur);

cout<<tr\_destination;

gotoxy(Ccur,++Rcur);

cout<<tr\_adate;

gotoxy(Ccur,++Rcur);

cout<<tr\_atime;

gotoxy(Ccur,++Rcur);

cout<<tr\_seats;

gotoxy(Ccur,++Rcur);

cout<<tr\_fare;

}

//===========================================================================

void Train ::writeTrainDetails() // function for writing Train details to file, Train.dat

{

Train obj;

char ch;

int c=12,r=18,Ccur,Rcur;

fstream fp;

fp.open("Train.dat",ios::binary|ios::in);

if(fp)

{

fp.close();

fp.open("Train.dat",ios::binary|ios::app);

}

else

{

fp.close();

fp.open("Train.dat",ios::binary|ios::out);

}

do

{

obj.getTrainDetails();

fp.write((char \*)&obj,sizeof(obj));

cout<<"\a";

c=12;r=19;

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º One Record Successfully Added... º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

Rcur=r;

cout<<"º Do You Want To Add Another? [Y/N] : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

Ccur=c+48;

fflush(stdin);

gotoxy(Ccur,Rcur);

cin>>ch;

if(ch=='y' || ch=='Y')

{

continue;

}

else

{

fp.close();

break;

}

}while(1);

}

//===========================================================================

void Train ::ListAllTrainDetails() // funtion for viewing all Trains

{

int cn=12,rn=10,CNcur,RNcur;

Train obj;

char ch;

fstream fp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

while(fp)

{

int c=12,r=20,Ccur,Rcur;

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

obj.displayTrainDetails();

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

Rcur=r;

cout<<"º Press Any Key To View Next [X To Stop] : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

Ccur=c+47;

fflush(stdin);

gotoxy(Ccur,Rcur);

ch=getche();

if(ch=='x' || ch=='X')

{

fp.close();

break;

}

}

}

//==========================================================================

void Train::TrainSearch() //function for searching a particular Train by using Train no.

{

int cn=12,rn=7,CNcur,RNcur;

Train obj;

char ch;

char trno[6];

int flag;

fstream fp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(cn,++rn);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(cn,++rn);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Enter The Train Number To Search : º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+43;

gotoxy(CNcur,RNcur);

gets(trno);

flag=0;

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)==0)

{

obj.displayTrainDetails();

flag=1;

fp.close();

break;

}

}

if(flag==0)

{

cout<<"\a";

rn=rn+3;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Train Number Not Found..!! Press Any Key... º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+51;

gotoxy(CNcur,RNcur);

}

}

//============================================================================

void Train::TrainModification() // funtion for Train modification

{

int cn=12,rn=7,CNcur,RNcur;

Train obj;

char ch;

char trno[6];

int flag;

fstream fp,fptmp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(cn,++rn);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(cn,++rn);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Enter The Train Number To Modify : º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+42;

gotoxy(CNcur,RNcur);

gets(trno);

flag=0;

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)==0)

{

flag=1;

fp.close();

break;

}

}

if(flag==0)

{

cout<<"\a";

rn=rn+3;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Train Number Not Found..!! Press Any Key... º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+51;

gotoxy(CNcur,RNcur);

return;

}

clrscr();

gotoxy(cn,rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

cout<<"º Press Any Key To View Current Record º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

getch();

obj.displayTrainDetails();

getch();

clrscr();

fp.close();

fptmp.open("tmpTrain.dat",ios::binary|ios::out);

fp.open("Train.dat",ios::binary|ios::in);

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)!=0)

{

fptmp.write((char \*)&obj,sizeof(obj));

}

}

fp.close();

fptmp.close();

remove("Train.dat");

rename("tmpTrain.dat","Train.dat");

fp.open("Train.dat",ios::binary|ios::app);

obj.getTrainDetails();

fp.write((char \*)&obj,sizeof(obj));

fp.close();

cout<<"\a";

cn=12;

rn=20;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Record Successfully Modified! º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+44;

gotoxy(CNcur,RNcur);

}

//============================================================================

void Train::TrainDeletion() // funtion for deletion of a Train record

{

int cn=12,rn=8,CNcur,RNcur,c,r;

Train obj;

char ch;

char trno[6];

int flag;

fstream fp,fptmp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(cn,++rn);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(cn,++rn);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Enter Train Number To Delete : º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+40;

gotoxy(CNcur,RNcur);

gets(trno);

flag=0;

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)==0)

{

flag=1;

fp.close();

break;

}

}

if(flag==0)

{

cout<<"\a";

rn=rn+3;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Train Number Not Found..!! Press Any Key... º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+51;

gotoxy(CNcur,RNcur);

return;

}

clrscr();

gotoxy(cn,rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

cout<<"º The Current Record Is (Press Any Key) : º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

getch();

clrscr();

obj.displayTrainDetails();

cn=12;rn=21;

gotoxy(cn,rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º Confirm? Press [Y/N] : º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+39;

gotoxy(CNcur,RNcur);

cin>>ch;

if(ch!='y' && ch!='Y')

{

return;

}

clrscr();

fp.close();

fptmp.open("tmpTrain.dat",ios::binary|ios::out);

fp.open("Train.dat",ios::binary|ios::in);

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)!=0)

{

fptmp.write((char \*)&obj,sizeof(obj));

}

}

fp.close();

fptmp.close();

remove("Train.dat");

rename("tmpTrain.dat","Train.dat");

fp.open("Train.dat",ios::binary|ios::app);

fp.close();

c=12;r=7;

cout<<"\a\a\a";

clrscr();

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);

RNcur=r;

cout<<"º Record Successfully Deleted!! º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=c+44;

gotoxy(CNcur,RNcur);

}

void Train::ticket\_Seat\_updation(char \*trno,int num)

{

Train obj,tmpobj2;

char ch;

int flag;

fstream fp,fptmp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

int cn=12,rn=10,CNcur,RNcur;

fp.close();

cout<<"\a";

gotoxy(cn,rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

fp.close();

fptmp.open("tmpTrain.dat",ios::binary|ios::out);

fp.open("Train.dat",ios::binary|ios::in);

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),trno)!=0)

{

fptmp.write((char \*)&obj,sizeof(obj));

}

else

{

tmpobj2=obj;

}

}

Train tmpobj(tmpobj2);

fp.close();

fptmp.close();

remove("Train.dat");

rename("tmpTrain.dat","Train.dat");

fp.open("Train.dat",ios::binary|ios::app);

tmpobj.seatUpdation(num);

fp.write((char \*)&tmpobj,sizeof(tmpobj));

fp.close();

}

//===========================================================================

//===========================================================================

//===========================================================================

void ticket::get\_ticket() // funtion for entry of tickets

{

int r=2,c=12,Rcur,Ccur,t=75;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððð ®¯ Ticket Booking ®¯ ððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

Rcur=r;

cout<<"º Ticket Number : º";gotoxy(c,++r);delay(t);

cout<<"º Train Number : º";gotoxy(c,++r);delay(t);

cout<<"º Passenger Name : º";gotoxy(c,++r);delay(t);

cout<<"º Address : º";gotoxy(c,++r);delay(t);

cout<<"º Sex : º";gotoxy(c,++r);delay(t);

cout<<"º Age : º";gotoxy(c,++r);delay(t);

cout<<"º Ph no. : º";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

Ccur=c+25;

gotoxy(Ccur,Rcur);

gets(bk\_ticket\_no);

gotoxy(Ccur,++Rcur);

gets(bk\_trno);

gotoxy(Ccur,++Rcur);

gets(bk\_name);

gotoxy(Ccur,++Rcur);

gets(bk\_add);

gotoxy(Ccur,++Rcur);

cin>>bk\_sex;

gotoxy(Ccur,++Rcur);

cin>>age;

gotoxy(Ccur,++Rcur);

gets(bk\_phno);

gotoxy(Ccur,++Rcur);

}

//===========================================================================

void ticket::displayTicket() // funtion for ticket display

{

int r=2,c=12,Rcur,Ccur,t=75;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððð ®¯ Ticket Booking ®¯ ððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

Rcur=r;

cout<<"º Ticket Number : º";gotoxy(c,++r);delay(t);

cout<<"º Train Number : º";gotoxy(c,++r);delay(t);

cout<<"º Passenger Name : º";gotoxy(c,++r);delay(t);

cout<<"º Address : º";gotoxy(c,++r);delay(t);

cout<<"º Sex : º";gotoxy(c,++r);delay(t);

cout<<"º Age : º";gotoxy(c,++r);delay(t);

cout<<"º Ph no. : º";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

Ccur=c+25;

gotoxy(Ccur,Rcur);

cout<<bk\_ticket\_no;

gotoxy(Ccur,++Rcur);

cout<<bk\_trno;

gotoxy(Ccur,++Rcur);

cout<<bk\_name;

gotoxy(Ccur,++Rcur);

cout<<bk\_add;

gotoxy(Ccur,++Rcur);

cout<<bk\_sex;

gotoxy(Ccur,++Rcur);

cout<<age;

gotoxy(Ccur,++Rcur);

cout<<bk\_phno;

gotoxy(Ccur,++Rcur);

getch();

}

int ticket::ticket\_availabilty(char \*tno,int n)

{

int cn=12,rn=10,RNcur,CNcur;

Train obj;

char ch;

char trno[6];

int flag;

fstream fp;

fp.open("Train.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

clrscr();

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

getch();

return 0;

}

flag=0;

while(fp)

{

fp.read((char \*)&obj,sizeof(obj));

if(fp.eof())

break;

if(strcmpi(obj.getTrainNumber(),tno)==0 && obj.getTrainSeats()>=n)

{

flag=1;

fp.close();

break;

}

}

return flag;

}

//==========================================================================

void ticket ::ticket\_Booking() // funtion for pre ticket booking avaibility check

{ // and writing ticket details data into file, ticket.dat

int c=12,r=5,Ccur,Rcur;

Train obj;

ticket tobj;

char tno[6];

int i,num;

clrscr();

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);

Rcur=r;

cout<<"º Enter Train Number : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);

Ccur=c+24;

gotoxy(Ccur,Rcur);

gets(tno);

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

Rcur=r;

cout<<"º Number Of Tickets To Be Booked : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

Ccur=c+36;

gotoxy(Ccur,Rcur);

cin>>num;

if(tobj.ticket\_availabilty(tno,num)==0)

{

cout<<"\a";

c=12,r=19;

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

Rcur=r;

cout<<"º Either Ticket Or Train Unavailable..!! º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

Ccur=c+50;

gotoxy(Ccur,Rcur);

return;

}

fstream fp;

fp.open("ticket.dat",ios::binary|ios::in);

if(fp)

{

fp.close();

fp.open("ticket.dat",ios::binary|ios::app);

}

else

{

fp.close();

fp.open("ticket.dat",ios::binary|ios::out);

}

for(i=1;i<=num;i++)

{

tobj.get\_ticket();

fp.write((char \*)&tobj,sizeof(tobj));

}

fp.close();

c=12,r=20;

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

Rcur=r;

cout<<"º º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

Ccur=c+50;

gotoxy(19,--r);

cout<<num<<" Ticket(s) is/are Booked Successfully!!";

gotoxy(Ccur,Rcur);

obj.ticket\_Seat\_updation(tno,num);

}

//============================================================================

void ticket::ticket\_cancel() // funtion for ticket cancellation

{

int c=12,r=7;

int Rcur,Ccur;

int RNcur,CNcur;

Train obj;

ticket tobj;

char tcno[6],trno[6];

int i,tc,num=0;

fstream fptmp;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);

cout<<"º ððððððððððððð ®¯ Ticket Cancellation ®¯ ðððððððððððð º";gotoxy(c,++r);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);

Rcur=r;

cout<<"º Enter Ticket Number : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);

Ccur=c+34;

gotoxy(Ccur,Rcur);

gets(tcno);

fstream fp;

fp.open("ticket.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

clrscr();

int cn=12,rn=10;

int RNcur,CNcur;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

tc=0;

while(fp)

{

fp.read((char \*)&tobj,sizeof(tobj));

if(fp.eof())

break;

if(strcmpi(tobj.get\_ticket\_no(),tcno)==0)

{

strcpy(trno,tobj.getBook\_trno());

tc++;

}

}

fp.close();

if(tc>=1)

{

fptmp.open("tmpticket.dat",ios::binary|ios::out);

fp.open("ticket.dat",ios::binary|ios::in);

while(fp)

{

fp.read((char \*)&tobj,sizeof(tobj));

if(fp.eof())

break;

if(strcmpi(tobj.get\_ticket\_no(),tcno)!=0)

{

fptmp.write((char \*)&tobj,sizeof(tobj));

}

}

fp.close();

fptmp.close();

remove("ticket.dat");

rename("tmpticket.dat","ticket.dat");

num=-tc;

obj.ticket\_Seat\_updation(trno,num);

r++;

cout<<"\a\a";

r++;

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);

RNcur=r;

cout<<"º Ticket Successfully Cancelled!! º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=c+45;

gotoxy(CNcur,RNcur);

}

}

//=========================================================================

void ticket::list\_ticket() // funtion to view all booked tickets

{

ticket tobj;

clrscr();

fstream fp;

fp.open("ticket.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

int cn=12,rn=10;

int RNcur,CNcur;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

while(fp)

{

fp.read((char \*)&tobj,sizeof(tobj));

if(fp.eof())

break;

tobj.displayTicket();

}

fp.close();

}

//========================================================

void ticket::ticketSearch()

{

int c=12,r=7;

ticket tobj;

char ch;

char tcno[6];

int flag;

fstream fp;

fp.open("ticket.dat",ios::binary|ios::in);

if(!fp)

{

fp.close();

cout<<"\a";

clrscr();

int cn=12,rn=10;

int RNcur,CNcur;

gotoxy(cn,++rn);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(cn,++rn);

RNcur=rn;

cout<<"º No Records Found..!! Press Any Key.. º";gotoxy(cn,++rn);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=cn+48;

gotoxy(CNcur,RNcur);

return;

}

int Ccur,Rcur;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);

cout<<"º ððððððððððððð ®¯ Ticket Viewing ®¯ ðððððððððððð º";gotoxy(c,++r);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);

Rcur=r;

cout<<"º Enter Ticket Number : º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);

Ccur=c+34;

gotoxy(Ccur,Rcur);

gets(tcno);

flag=0;

while(fp)

{

fp.read((char \*)&tobj,sizeof(tobj));

if(fp.eof())

break;

if(strcmpi(tobj.get\_ticket\_no(),tcno)==0)

{

tobj.displayTicket();

flag=1;

fp.close();

break;

}

}

if(flag==0)

{

int RNcur,CNcur;

cout<<"\a\a";

r=r+3;

gotoxy(c,++r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);

RNcur=r;

cout<<"º Ticket Does Not Exist!! º";gotoxy(c,++r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

CNcur=c+42;

gotoxy(CNcur,RNcur);

}

}

//===========================================================================

void help()

{

int r=6,c=12,t=75;

clrscr();

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";gotoxy(c,++r);delay(t);

cout<<"º °°°°°°° RAILWAY MANAGEMENT SYSTEM 2018 °°°°°°° º";gotoxy(c,++r);delay(t);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";gotoxy(c,++r);delay(t);

cout<<"º ððððððððððððð °°° HELP °°° ððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"º ÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜÜ º";gotoxy(c,++r);delay(t);

cout<<"º NAME : JYOTIRMOY KUNDU º";gotoxy(c,++r);delay(t);

cout<<"º SCHOOL : APEEJAY SCHOOL (PARK STREET-KOLKATA) º";gotoxy(c,++r);delay(t);

cout<<"º YEAR : 2018-2019 º";gotoxy(c,++r);delay(t);

cout<<"º CLASS : XII º";gotoxy(c,++r);delay(t);

cout<<"º SECTION : B2 º";gotoxy(c,++r);delay(t);

cout<<"º ADDRESS : SALT LAKE CITY,SEC-II º";gotoxy(c,++r);delay(t);

cout<<"º MOBILE No. : 7980915865 º";gotoxy(c,++r);delay(t);

cout<<"º EMAIL Id : kundujyotirmoy12@gmail.com º";gotoxy(c,++r);delay(t);

cout<<"º ðððððððððððððððððððððððððððððððððððððððððððððððððððððð º";gotoxy(c,++r);delay(t);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";gotoxy(c,++r);delay(t);

}

//========================================================

void prog\_loading()

{

int r=12,i,j;

int c=25;

for(i=1;i<=4;i++)

{

clrscr();

gotoxy(c,r);

cout<<"Please Wait";

c=c+12;

for(j=1;j<=20;j++)

{

gotoxy(c,r);

cout<<"þ";

delay(50);

c++;

}

c=25;

}

}

//============================================================

void pass\_word()

{

char pw[]="ADMIN";

char tmp[10];

char ch;

int r,c,i=0,rcursor;

do

{

clrscr();

i=0;

r=10;

c=16;

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";

r++;gotoxy(c,r);

cout<<"º²² RAILWAY MANAGEMENT SYSTEM 2018 ²²º";

r++;gotoxy(c,r);

cout<<"ÌÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¹";

r++;gotoxy(c,r);

cout<<"º Login Password : º";

r++;gotoxy(c,r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

gotoxy(c+24,r-1);

do

{

ch=getch();

if(ch==13)

break;

else

{

cout<<"\*";

tmp[i++]=ch;

}

}while(1);

tmp[i]='\0';

if(strcmp(tmp,pw)==0)

{

r+=8;

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";

r++;gotoxy(c,r);

cout<<"º²² Password Accepted..!! ²²º";

r++;gotoxy(c,r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

gotoxy(50,r-1);

break;

}

else

{

r+=8;

gotoxy(c,8);

cout<<"\a\a";

gotoxy(c,r);

cout<<"ÉÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ»";

r++;gotoxy(c,r);

cout<<"º²² Access Violation!!['X' to Exit] ²²º";

rcursor=r;

r++;gotoxy(c,r);

cout<<"ÈÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ¼";

gotoxy(c+40,rcursor);

ch=getche();

if(ch=='X'|| ch=='x')

exit(0);

}

}while(1);

getch();

}

TRAIN DETIAL ENTRY FORM











