**Source code:**

#include<stdio.h>

#include<stdlib.h>

#include<conio.h>

typedef struct node

{

int seat;

char name[15];

int age;

char sex;

struct node\* next;

}list,\*ptr;

void login();

void delete(ptr a);

void add(ptr a);

void printseat(ptr temp);

void print(ptr a);

void delete(ptr a);

int main()

{

int i,input;

ptr a;

clrscr();

a=(ptr)malloc(1\*sizeof(list)); // dummy node

a->next=NULL;

a->seat=0;

printf("\t\t=================================================\n");

  printf("\t\t| |\n");

  printf("\t\t| ----------------------------- |\n");

  printf("\t\t| TRAIN TICKET RERS. SYSTEM |\n");

  printf("\t\t| ----------------------------- |\n");

  printf("\t\t| |\n");

  printf("\t\t| |\n");

  printf("\t\t| |\n");

  printf("\t\t| DONE BY |\n");

  printf("\t\t| I-IT |\n");

  printf("\t\t| |\n");

  printf("\t\t=================================================\n\n\n");

  printf(" \n Press any key to continue:");

  getch();

  clrscr();

  login();

for(i=0;i<100;i++)

{

clrscr();

printf("\nenter\n========================================\n 1 to book a ticket \n========================================\n 2 for deleting a TICKET \n========================================\n 3 to print the chart \n========================================\n 4 to exit \n========================================\n \n");

scanf("%d",&input);

if(input==1)

{

add(a);

}

else if(input==2)

{

delete(a);

}

else if(input==3)

{

print(a);

}

else if(input==4)

{

break;

}

else

{

printf("not able to recognise the command \n");

}

}

printf("thank you \n");

return 0;

}

void login()

{

int a=0,i=0;

char uname[10],c=' ';

char pword[10],code[10];

do

{

  printf("\n ======================= LOGIN FORM =======================\n ");

  printf(" \n ENTER USERNAME:-");

  scanf("%s", &uname);

  printf(" \n ENTER PASSWORD:-");

  while(i<10)

  {

   pword[i]=getch();

   c=pword[i];

   if(c==13) break;

   else printf("\*");

   i++;

  }

  pword[i]='\0';

  i=0;

  if(strcmp(uname,"user")==0 && strcmp(pword,"pass")==0)

  {

    printf(" \n\n\n WELCOME TO OUR SYSTEM !! YOUR LOGIN IS SUCCESSFUL");

    printf("\n\n\n\t\t\t\tPress any key to continue...");

    getch();

    break;

  }

  else

  {

    printf("\n SORRY !!!! LOGIN IS UNSUCESSFUL");

    a++;

    getch();

    clrscr();

  }

}while(a<=4);

if(a==4)

{

  printf("You have tried more than 4 times!!!");

  exit(0);

}

}

void add(ptr a)

{

int input,input2;

ptr temp=NULL;

while(a->next!=NULL)

{

a=a->next;

}

if(a->seat>70)

{

printf("train full \n");

return ;

}

else if(a->seat>50)

{

printf("%d waiting awailable \n",(a->seat)-50);

printf("enter 1 to exit 0 to continue ");

scanf("%d",&input2);

if(input2==1)

{

return ;

}

}

temp=(ptr)malloc(1\*sizeof(

list));

temp->next=NULL;

printf("enter name ");

scanf("%s",temp->name);

printf("enter age ");

scanf("%d",&temp->age);

printf("enter sex ");

scanf("%s",&temp->sex);

temp->seat=(a->seat)+1;

printf("enter 1 to print the ticket 0 for ot to print the ticket \n");

scanf("%d",&input);

if(input==1)

{

printseat(temp);

}

a->next=temp;

getch();

return ;

}

void printseat(ptr temp)

{

if(temp->seat>50)

{

printf("WL=%d",(temp->seat)-

50);

}

else

{

printf("confirm seat=%d",temp->seat);

}

printf(" name=%s ",temp->name);

printf("sex=%c ",temp->sex);

printf("age=%d \n",temp->age);

getch();

return ;

}

void print(ptr a)

{

a=a->next;

while(a!=NULL)

{

printf("seat number=%d,name=%s ,age=%d,sex=%c \n",a->seat,a->name,a->age,a->

sex);

a=a->next;

}

getch();

return ;

}

void delete(ptr a)

{

int input;

ptr temp;

a=a->next;

printf("enter the seat number ");

scanf("%d",&input);

while(a!=NULL&&(a->seat)!=

input)

{

a=a->next;

}

if(a==NULL)

{

printf("can not delete \n");

return ;

}

temp=a;

a=a->next;

free(temp);

while(a!=NULL)

{

a->seat=a->seat-1;

a=a->next;

}

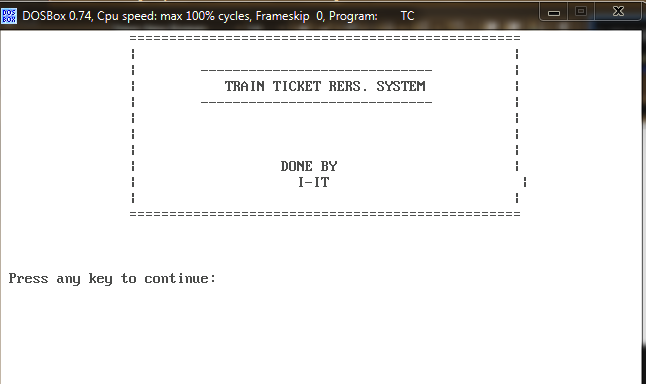
printf("seat deleted \n");

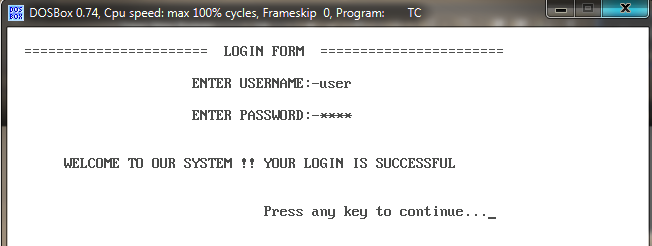
getch();

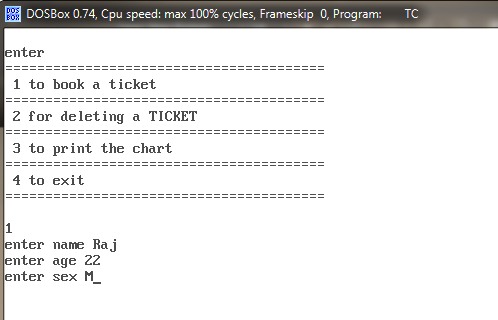
return ;

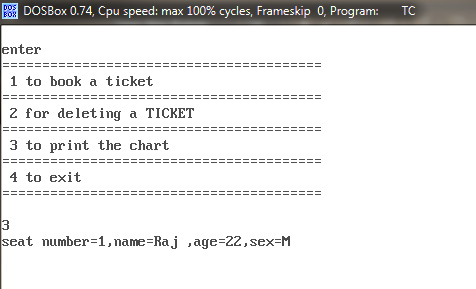
}

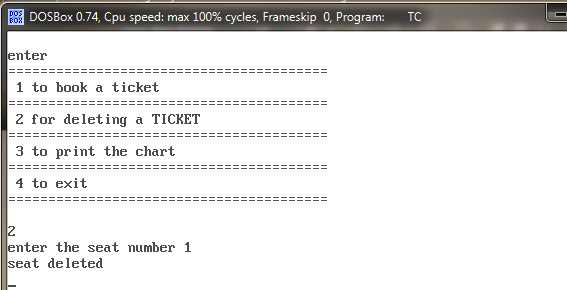
**Output:**

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