#include<stdio.h>

#include<stdlib.h>

#include<string.h>

#include<conio.h>

#include<math.h>

#include<windows.h>

#pragma comment(lib,"winmm.lib")

#define I 20

#define R 340

char password[9];

//物品结构体

struct node{

int num;

char name[20];

char auther[20];

char type[20];

char where[30];

char date[20];

char Tedian[30];

struct node \*next;

};

//用户结构体

struct User

{

char Xingming[20];

char card[20];

char pass[20];

struct User \*next;

};

void menu();//主界面

void save(struct node \*head);//文件录入函数

struct node \* read(struct node \*pl);//文件读出函数（

void input();//录入信息函数

void insert(struct node \*head);//插入信息函数

void modify(struct node \*head);//修改信息函数

void search(struct node \*head );//查询信息函数

void rankbynum( struct node \*head);//排序函数

void swap(struct node \*p1,struct node \*p2);//交换函数，用于排序功能中

void showall(struct node \*pl);//遍历函数，用于浏览信息

int deletething(struct node \*head);//删除信息函数

int ad();//打开界面

void checkfirst();//密码初始化

void login();//登陆

void update();//修改密码

void dongtai();

int bc();//管理员选择界面

void jiemian();//管理用户界面

void inputU();//用户录入

void second();//用户界面

void Yonghu(struct User \*head);//用户录入文件函数

struct User \* readU(struct User \*pl );//用户文件读取函数

void insertY(struct User \*head);//添加用户

int deleteUser(struct User \*head); //删除用户

void showallUser(struct User \*p1);//浏览用户

void modifyUser(struct User \*head);//修改用户信息

void searchU(struct User \*head);// 查询用户信息

void AD();//对物品信息的管理

void BC();//对用户信息的管理

void EF();//用户的功能实现

void loginU(struct User \*head);//用户登录

void Usearch(struct node \*head);//用户查询

void Ushowall(struct node \*pl);//用户浏览 (日期按时间先后的顺序）

void Partshowall(struct node \*pl);//部分遍历

void Tongji(struct node \*pl);

void Tongji(struct node \*pl)

{

int a=0,b=0,c=0,d=0,e=0,f=0;

struct node \*p;

p=pl;

int max;

while(p!=NULL){

if(strstr(p->type,"卡")>0)

a++;

if(strstr(p->type,"书")>0)

b++;

if(strstr(p->type,"现金")>0)

c++;

if(strstr(p->type,"电子设备")>0)

d++;

if(strstr(p->type,"钥匙")>0)

e++;

if(strstr(p->type,"交通工具")>0)

f++;

p=p->next;

}

max=a;

if(b>max)

max=b;

if(c>max)

max=c;

if(d>max)

max=d;

if(e>max)

max=e;

if(f>max)

max=f;

printf("\n");

if(a==max)

printf("\*请同学注意对卡的保存，最近丢失卡的现象较严重\*\n");

if(b==max)

printf("\*请同学注意对书的保存，最近丢失书的现象较严重\*\n");

if(c==max)

printf("\*请同学注意对现金的保存，最近丢失现金的现象较严重\*\n");

if(d==max)

printf("\*请同学注意对电子设备的保存，最近丢失电子设备的现象较严重\*\n");

if(e==max)

printf("\*请同学注意对钥匙的保存，最近丢失钥匙的现象较严重\*\n");

if(f==max)

printf("\*请同学注意对交通工具的保存，最近丢失交通工具的现象较严重\*\n");

}

int main(void)

{

// PlaySound ("1.wav",NULL,SND\_LOOP | SND\_ASYNC);

int choice,x,y;

struct node \*head;

struct User \*headU;

head=NULL;

headU=NULL;

// dongtai();

system("color 3");

x=ad();

switch(x){

case 1:

system("cls");

checkfirst();

login();//登陆

system("cls");

y=bc();

switch(y){

case 1:

BC();

case 2:

AD();

case 3:

update();

exit(0);

}

case 2:

EF();

case 3:

system("cls");

printf("\n\n\n\n\t\t\t\t谢谢使用！\n\t\t\t");

return 0;

}}

//用户的功能

void EF()

{

int choice;

struct node \*head;

struct User \*headU;

head=NULL;

headU=NULL;

system("cls");

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

loginU(headU);

while(1)

{

second();

scanf("%d",&choice);

switch(choice)

{

case 1:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

Usearch(head);

break;

case 2:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

Ushowall(head);

break;

case 0:

system("cls");

printf("\n\n\n\n\t\t\t\t谢谢使用！\n\t\t\t");

exit(0);

default :

printf("输入错误请重新输入\n");

break;

}

}

}

// 对用户信息的管理

void BC()

{

struct User \*headU;

headU=NULL;

int choice;

while(1)

{

jiemian();

scanf("%d",&choice);

switch(choice)

{

case 1:

inputU();

break;

case 2:

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

insertY(headU);

break;

case 3:

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

deleteUser(headU);

break;

case 4:

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

modifyUser(headU);

break;

case 5:

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

searchU(headU);

break;

case 6:

headU=readU(headU);

if(headU==NULL)

printf("请先录入！！！\n");

else

showallUser(headU);

break;

case 0:

system("cls");

printf(" 谢谢使用！\n");

exit(0);//退出系统

default:

system("cls");

printf("输入有误，请重新输入\n") ;

}

}

}

//对物品信息的管理

void AD()

{

struct node \*head;

head=NULL;

int choice;

while (1){

menu();

scanf("%d",&choice);

switch(choice){

case 1:

system("cls");

input();

break;

case 2:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

insert(head);

break;

case 3:

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

deletething(head);

break;

case 4:

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

modify(head);

break;

case 5:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

search(head);

break;

case 6:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

rankbynum(head);//排序

break;

case 7:

system("cls");

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

showall(head);//遍历

break;

case 0:

system("cls");

printf(" 谢谢使用！\n");

exit(0);//退出系统

default:

system("cls");

printf("输入有误！");

}

}

}

void loginU(struct User \*head)//用户登录

{

int i,n=3;

char a[20];

char b[20];

int flag=0;

struct User \*p;

p=head;

printf("请先登陆\n");

printf("请输入学号：");

scanf("%s",a);

while(p!=NULL){

if(strcmp(p->card,a)==0&&n>0){

flag=1;

printf("请输入密码(三次输入错误请重新登陆)\n");

for(i=0;i<8&&((b[i]=getch())!=13);i++)

putch('\*');

b[i]='\0';

if(strcmp(p->pass,b)==0)

{

system("cls");

printf("登陆成功\n");

break;

}

else

printf("密码错误\n");

n--;

}

else

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的用户，请核对信息后重新查询。\n");

exit(1);

}

if(!n)

{

printf("请退出，你的三次输入错误\n");

getch();

exit(1);

}

}

//管理员登陆函数

void login()

{

int i,n=3;

char a[9];

do{

printf("请输入密码");

for(i=0;i<8&&((a[i]=getch())!=13);i++)

putch('\*');

a[i]='\0';

if(strcmp(a,password))

{

printf("\n密码错误!\n");

n--;

}

else

break;

}while(n>0);

if(!n)

{

printf("请退出，你的三次输入错误\n");

getch();

exit(1);

}

}

//打开界面

int ad()

{

int x;

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \n");

printf("|欢迎使用校园失物招领管理系统 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 1.管理员模式 |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 2.用户模式 |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 3.退出系统 |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

scanf("%d",&x);

return x;

}

int bc()//管理员管理模块选择界面

{

int y;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1.对用户的管理 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|2.对物品信息的管理 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3.修改密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

scanf("%d",&y);

return y;

}

//用户查询界面

void second()

{

struct node \*head;

head=NULL;

head=read(head);

if(head==NULL)

printf("请先录入！！！\n");

else

Tongji(head);

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf(" | \*用户查询界面\* |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 1:查询物品信息 | 2:浏览所有物品的信息 |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 0:退出系统 | |\n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" | 小贴士：序号在1-1000的物品请去5101查找，其余的在5102| \n");

printf(" |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

}

//对用户的管理界面

void jiemian()

{

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:录入用户信息 | 2:增添用户信息|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:删除用户信息 | 4:修改用户信息|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:查询用户信息 | 6:浏览用户信息|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|0:退出系统 | |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

}

//对物品的信息的管理界面

void menu()

{

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:录入物品信息 | 2:增添物品信息|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:删除物品信息 | 4:修改物品信息|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:查询物品信息 | 6:给物品排序 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|7:浏览物品信息 | 0:退出系统 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" 请输入您的选择：");

}

//对用户的查询函数(其中按学号可进行模糊查询，以便于查询一个班级的学生用户信息）

void searchU(struct User \*head)

{

struct User \*p;

int n;

char Xingming[20];

char card[20];

char pass[20];

int flag=0;

p=head;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按姓名查询 | 2:按学号查询|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:按密码查询 | 0:取消 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择：\n");

scanf("%d",&n);

switch(n){

case 1:

printf("请输入姓名：");

scanf("%s",Xingming);

while(p!=NULL){

if(strcmp(p->Xingming,Xingming)==0){

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%5s | %8s |%8s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的用户，请核对信息后重新查询。\n");

}

break;

case 2:

printf("请输入学号：");

scanf("%s",card);

while(p!=NULL){

if(strstr(p->card,card)>0){

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%5s | %8s |%8s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的用户，请核对信息后重新查询。\n");

}

break;

case 3:

printf("请输入密码");

scanf("%s",pass);

while(p!=NULL){

if(strcmp(p->pass,pass)==0){

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%5s | %8s |%8s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的用户，请核对信息后重新查询。\n");

}

break;

}}

//用户查询函数（其中分为三类查询，分类查询：按类型、精确查询：按时间 模糊查询：按名称，地点，类型，时间段 ）

//查询到的是部分信息

void Usearch(struct node \*head)

{

struct node \*p;

int n;

char name[20];

char type[20];

char where[20];

char date[20];

char date1[20];

char date2[20];

int flag=0;

p=head;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按名称查询 | 2:按类型查询 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:按地点查询 | 4:按时间段查询|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:按时间查询 | 0:取消 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择:\n");

scanf("%d",&n);

switch(n){

case 1:

system("cls");

printf("请输入名称：");

scanf("%s",name);

while(p!=NULL){

if(strstr(p->name,name)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 2:

system("cls");

printf("请输入类型：");

scanf("%s",type);

while(p!=NULL){

if(strstr(p->type,type)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 3:

system("cls");

printf("请输入地点：");

scanf("%s",where);

while(p!=NULL){

if(strstr(p->where,where)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 4:

system("cls");

printf("请输入时间起始时间(2016.01.01)：\n");

scanf("%s",date1);

printf("请输入结束时间：\n");

scanf("%s",date2);

while(p!=NULL){

if(strcmp(p->date,date1)>=0&&strcmp(p->date,date2)<=0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 5:

system("cls");

printf("请输入时间(例如2016.01.01)：");

scanf("%s",date);

while(p!=NULL){

if(strcmp(p->date,date)==0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 0:

break;

default:

printf("输入有误！\n");

break;

}

}

//管理员查询函数（可查询到物品的全部信息 ）

void search(struct node \*head )

{

struct node \*p;

int num,n;

char name[20];

char auther[20];

char type[20];

char where[20];

char date[20];

char date1[20];

char date2[20];

int flag=0;

p=head;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按序号查询 | 2:按名称查询 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:按姓名查询 | 4:按类型查询 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:按地点查询 | 6:按时间查询 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|7:按时间段查询 | 0:取消 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择：\n");

scanf("%d",&n);

switch(n){

case 1:

printf("请输入序号：");

scanf("%d",&num);

while(p!=NULL){

if(p->num==num){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 2:

printf("请输入名称：");

scanf("%s",name);

while(p!=NULL){

if(strstr(p->name,name)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 3:

printf("请输入名字");

scanf("%s",auther);

while(p!=NULL){

if(strcmp(p->auther,auther)==0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 4:

printf("请输入类型：");

scanf("%s",type);

while(p!=NULL){

if(strstr(p->type,type)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 5:

printf("请输入地点：");

scanf("%s",where);

while(p!=NULL){

if(strstr(p->where,where)>0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 6:

printf("请输入时间(例如:2016.01.01)：");

scanf("%s",date);

while(p!=NULL){

if(strcmp(p->date,date)==0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 7:

printf("请输入时间起始时间(例如:2016.01.01)：\n");

scanf("%s",date1);

printf("请输入结束时间：\n");

scanf("%s",date2);

while(p!=NULL){

if(strcmp(p->date,date1)>=0&&strcmp(p->date,date2)<=0){

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

flag=1;

}

p=p->next;

}

if(flag==0) {

printf("对不起，找不到您要查询的物品，请核对信息后重新查询。\n");

}

break;

case 0:

break;

default:

printf("输入有误！\n");

break;

}

}

//排序函数（采用冒泡查询）

void rankbynum( struct node \*head)

{

struct node \*p,\*p1,\*p2;

int i,j,choice;

int n=0;

p=head;

while(p->next!=NULL){

n++;

p=p->next;

} // 统计链表中元素个数

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按编号排序 | 2:按时间排序 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|0:取消 | |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择:\n");

scanf("%d",&choice);

switch(choice){

case 1:

for(i=1;i<n;i++){

p1=head;

for(j=0;j<n-i;j++){

p2=p1->next;

if((p1->num)>(p2->num)){ //按照编号来排序

swap(p1,p2);

}

p1=p1->next; //利用冒泡排序法来排序

}

}

showall(head);

break;

case 2:

for(i=1;i<n;i++){

p1=head;

for(j=0;j<n-i;j++){

p2=p1->next;

if(strcmp(p1->date,p2->date)<0){ //按照编号来排序

swap(p1,p2);

}

p1=p1->next; //利用冒泡排序法来排序

}

}

showall(head);

break;

case 0:

break;

default:

printf("输入有误\n");

}

}

//交换函数（用于排序）

void swap(struct node \*p1,struct node \*p2)

{

int k;

char a[20];

k=p1->num;

p1->num=p2->num;

p2->num=k;

strcpy(a,p1->name);

strcpy(p1->name,p2->name);

strcpy(p2->name,a);

strcpy(a,p1->where);

strcpy(p1->where,p2->where);

strcpy(p2->where,a);

strcpy(a,p1->auther);

strcpy(p1->auther,p2->auther);

strcpy(p2->auther,a);

strcpy(a,p1->type);

strcpy(p1->type,p2->type);

strcpy(p2->type,a);

strcpy(a,p1->date);

strcpy(p1->date,p2->date);

strcpy(p2->date,a);

strcpy(a,p1->Tedian);

strcpy(p1->Tedian,p2->Tedian);

strcpy(p2->Tedian,a);

}

//修改用户信息（可选择性修改）

void modifyUser(struct User \*head)

{

int n;

char card[20];

struct User \*p;

int flag=0;

printf("请输入您要修改的学号:");

scanf("%s",card);

p=head;

while(p!=NULL){

if(strcmp(p->card,card)==0){

do{

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:修改姓名 | 2:修改学号|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:修改密码 | 0:取消 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择：\n");

flag=1;

scanf("%d",&n);

switch(n){

case 1:

printf("请重新输入姓名：");

scanf("%s",p->Xingming);

getchar();

break;

case 2:

printf("请重新输入学号：");

scanf("%s",p->card);

break;

case 3:

printf("请重新输入密码：");

scanf("%s",p->pass);

break;

case 0:

break;

default:

printf("输入错误！\n");

}

}while(n!=0);

}

p=p->next;

}

if(flag==0)

printf("未找到！！！\n");

Yonghu(head);

}

//修改物品的信息（可选择性修改）

void modify(struct node \*head)

{

int number,n;

struct node \*p;

int flag=0;

printf("请输入您要修改的序号：");

scanf("%d",&number);

p=head;

while(p!=NULL){

if(p->num==number){

do{

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:修改名称 | 2:修改姓名|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:修改类型 | 4:修改价格|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:修改时间 | 6:修改编号|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|7:修改特点 | 0:取消 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf(" 请输入您的选择：");

flag=1;

scanf("%d",&n);

switch(n){

case 1:

printf("请重新输入名称：");

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

getchar();

break;

case 2:

printf("请重新输入姓名：");

scanf("%s",p->auther);

break;

case 3:

printf("请重新输入类型：");

scanf("%s",p->type);

break;

case 4:

printf("请重新输入价格：");

scanf("%s",p->where);

break;

case 5:

printf("请重新输入时间：");

scanf("%s",p->date);

break;

case 6:

printf("请重新输入编号 ");

scanf("%d",&p->num) ;

break;

case 7:

printf("请重新输入特点");

scanf("%s",p->Tedian);

break;

case 0:

break;

default:

printf("输入错误！\n");

}

}while(n!=0);

}

p=p->next;

}

if(flag==0)

printf("未找到！！！\n");

save(head);

}

//删除用户信息

int deleteUser(struct User \*head)

{

int x=0;

struct User \*p,\*q;

char Xingming[20];

char card[20];

int n,count=0;

int flag=0;

p=head;

q=p;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按姓名删除 | 2:按学号删除|\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|0:取消 | |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择：\n");

scanf("%d",&n);

switch(n){

case 1:

printf("请输入要删除的姓名：");

scanf("%s",Xingming);

while(p){

if(strcmp(p->Xingming,Xingming)==0)

{

flag=1;

system("cls");

printf("%s的信息如下\n",Xingming);

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-8s |%-12s |%-6s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

Yonghu(head);

return 0;

}

else

{

q=p;

p=p->next;}}

if(!flag)

{

printf("未找到\n");

getchar();}

break;

case 2:

printf("请输入要删除的学号：");

scanf("%s",card);

while(p){

if(strcmp(p->card,card)==0)

{

flag=1;

system("cls");

printf("%s的信息如下：\n",p->Xingming);

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-8s |%-12s |%-6s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

Yonghu(head);

return 0;

}

else

{

q=p;

p=p->next;}}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;}

}

//删除物品信息

int deletething(struct node \*head)

{

int x=0;

struct node \*p,\*q;

int num;

char name[20];

char auther[20];

char type[20];

char where[20];

char press[20];

char date[20];

char date1[20];

char date2[20];

int n,count=0;

int flag=0;

p=head;

q=p;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|1:按序号删除 | 2:按名称删除 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|3:按姓名删除 | 4:按类型删除 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|5:按地点删除 | 6:按时间删除 |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|0:取消 | |\n");

printf("|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("请输入您的选择：\n");

scanf("%d",&n);

switch(n){

case 1:

printf("请输入要删除序号：\n");

scanf("%d",&num);

while(p!=NULL){

if(p->num==num)

{

flag=1;

system("cls");

printf("：%d的信息如下：\n",p->num);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

getchar();

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else{

q=p;

p=p->next;}

}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;

case 2:

printf("请输入要删除的名称：");

scanf("%s",name);

while(p){

if(strcmp(p->name,name)==0)

{

flag=1;

system("cls");

printf("%s的信息如下：",p->name);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else

{

q=p;

p=p->next;}}

if(!flag)

{

printf("未找到\n");

getchar();}

break;

case 3:

printf("请输入要删除的姓名：");

scanf("%s",auther);

while(p){

if(strcmp(p->auther,auther)==0)

{

flag=1;

system("cls");

printf("%s的信息如下：",p->auther);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else

{

q=p;

p=p->next;}}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;

case 4:

printf("请输入要删除的类别：");

scanf("%s",type);

while(p){

if(strcmp(p->type,type)==0)

{

flag=1;

system("cls");

printf("：%s的信息如下：",p->type);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else

{

q=p;

p=p->next;}}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;

case 5:

printf("请输入要删除地点：\n");

scanf("%s",where);

while(p!=NULL){

if(strcmp(p->where,where))

{

flag=1;

system("cls");

printf("：%s的信息如下：\n",p->where);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

getchar();

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else{

q=p;

p=p->next;}

}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;

case 6:

printf("请输入要删除时间：");

scanf("%s",date);

while(p){

if(strcmp(p->date,date)==0)

{

flag=1;

system("cls");

printf("%s的信息如下：",p->date);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

fflush(stdin);

printf("按任意键继续");

getchar();

if(p==head)

head=p->next;

else

q->next=p->next;

free(p);

save(head);

return 0;

}

else

{

q=p;

p=p->next;}

}

if(!flag)

{

printf("未找到\n");

getchar();

}

break;

case 0:

break;

default:

printf("输入有误！");

break;

return 0;}}

//遍历用户信息

void showallUser(struct User \*pl)

{

struct User \*p;

printf(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|姓名 | 学号 | 密码 |\n");

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");

for(p=pl;p->next!=NULL;p=p->next)

{

printf("|%-8s |%-12s |%-6s |\n",p->Xingming,p->card,p->pass);

printf("|\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\n");}

}

//用户遍历物品信息

void Ushowall(struct node \*head)

{

struct node \*p,\*p1,\*p2;

int i,j,choice;

int n=0;

p=head;

while(p->next!=NULL){

n++;

p=p->next;

} // 统计链表中元素个数

for(i=1;i<n;i++){

p1=head;

for(j=0;j<n-i;j++){

p2=p1->next;

if(strcmp(p1->date,p2->date)<0){ //按照编号来排序

swap(p1,p2);

}

p1=p1->next; //利用冒泡排序法来排序

}

}

Partshowall(head);

}

//部分信息的遍历

void Partshowall(struct node \*pl)

{

struct node \*p;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 类别 | 地点 | 时间 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

for(p=pl;p->next!=NULL;p=p->next)

{

printf("|%-4d | %-8s |%-10s |%-16s|%-10s |\n",p->num,p->name,p->type,p->where,p->date);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_|\n");

}

}

//管理员对信息的遍历（全部信息）

void showall(struct node \*pl)

{

struct node \*p;

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

printf("|序号 | 名称 | 姓名 | 类别 | 地点 | 时间 | 特点 |\n");

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");

for(p=pl;p->next!=NULL;p=p->next)

{

printf("|%-4d |%-8s |%-8s | %-10s|%-16s|%-10s |%-16s|\n",p->num,p->name,p->auther,p->type,p->where,p->date,p->Tedian);

printf("|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n");}

}

//用户录入

void inputU()

{

struct User \*p1,\*head;

head=NULL;

printf("注意：当姓名为0时输入结束\n\n");

p1=(struct User \*)malloc(sizeof(struct User)); //为链表的节点申请内存空间

head=p1;

while(strcmp(p1->Xingming,"0")!=0){

printf("请输入姓名：");

scanf("%s",p1->Xingming);

if(strcmp(p1->Xingming,"0")==0)

break;

printf("请输入学号：");

scanf("%s",p1->card);

printf("请输入密码：");

scanf("%s",p1->pass);

printf("该信息已经录入完毕，请录入下一用户信息\n");

p1->next=(struct User \*)malloc(sizeof(struct User));

p1=p1->next;

}

p1->next=NULL;

printf("用户信息录入输入结束！\n");

Yonghu(head);

}

//物品录入

void input()

{

struct node \*p1,\*head;

head=NULL;

printf("注意：当序号为负数时输入结束\n\n");

p1=(struct node \*)malloc(sizeof(struct node)); //为链表的节点申请内存空间

head=p1;

while(p1->num!=0){

printf("请输入序号：");

scanf("%d",&p1->num);

if(p1->num<0)

break;

printf("请输入名称：");

scanf("%s",p1->name);

printf("请输入姓名：");

scanf("%s",p1->auther);

printf("请输入类型：");

scanf("%s",p1->type);

printf("请输入地点：");

scanf("%s",p1->where);

printf("请输入时间：");

scanf("%s",&p1->date);

printf("请输入特点：");

scanf("%s",p1->Tedian);

printf("该信息已经录入完毕，请录入下一物品，当序号为负数时结束。\n");

p1->next=(struct node \*)malloc(sizeof(struct node));

p1=p1->next;

}

p1->next=NULL;

printf("物品录入输入结束！\n");

save(head);

}

//把用户写入文件

void Yonghu(struct User \*head)

{

FILE \*fp;

struct User \*pl;

if((fp=fopen("c.txt","w"))==NULL){

printf("can not open file");

exit(0);

}

pl=head;

while(pl->next!=NULL){

fprintf(fp,"%s %s %s\n",pl->Xingming,pl->card,pl->pass);

pl=pl->next;

}

fclose(fp);

}

//写入文件函数

void save(struct node \*head)

{

FILE \*fp;

struct node \*pl;

if((fp=fopen("a.txt","w"))==NULL){

printf("can not open file");

exit(0);

}

pl=head;

while(pl->next!=NULL){

fprintf(fp,"%d %s %s %s %s %s %s\n",pl->num,pl->name,pl->auther,pl->type,pl->where,pl->date,pl->Tedian);

pl=pl->next;

}

fclose(fp);

}

//用户读取文件

struct User \* readU(struct User \*pl )

{

FILE \*fp;

struct User \*head,\*tail=NULL;

head=NULL;

if((fp=fopen("c.txt","r"))==NULL){

printf("Can not open file");

exit(0);

}

while(!feof(fp))

{

pl=(struct User \* )malloc(sizeof(struct User));

fscanf(fp,"%s%s%s",pl->Xingming,pl->card,pl->pass);

if(head==NULL)

head=pl;

else

tail->next=pl;

tail=pl;

}

tail->next=NULL;

if(fclose(fp)){

printf("can not close the file\n");

exit(0);

}

return head;

}

//文件读取函数

struct node \* read(struct node \*pl)

{

FILE \*fp;

struct node \*head,\*tail=NULL;

head=NULL;

if((fp=fopen("a.txt","r"))==NULL){

printf("Can not open file");

exit(0);

}

while(!feof(fp))

{

pl=(struct node \* )malloc(sizeof(struct node));

fscanf(fp,"%d%s%s%s%s%s%s",&pl->num,pl->name,pl->auther,pl->type,pl->where,pl->date,pl->Tedian);

if(head==NULL)

head=pl;

else

tail->next=pl;

tail=pl;

}

tail->next=NULL;

if(fclose(fp)){

printf("can not close the file\n");

exit(0);

}

return head;

}

//增加用户

void insertY(struct User \*head)

{

struct User \*p,\*p1;

int n=0;

p=head;

while(p->next!=NULL) p=p->next; //找到链表的尾指针

printf("注意：当姓名为0时输入结束\n\n");

p1=(struct User \*)malloc(sizeof(struct User));

p1=p;

do{

printf("请输入姓名：");

scanf("%s",p1->Xingming);

if(strcmp(p1->Xingming,"0")==0)

break;

printf("请输入学号：");

scanf("%s",p1->card);

printf("请输入密码：");

scanf("%s",p1->pass);

printf("该信息已经录入完毕，请录入下一用户。\n");

p1->next=(struct User \*)malloc(sizeof(struct User));

p1=p1->next;

}while(1);

p1->next=NULL;

printf("录入输入结束！\n");

Yonghu(head);

}

//增加物品

void insert(struct node \*head)

{

struct node \*p,\*p1;

int n=0;

p=head;

while(p->next!=NULL) p=p->next; //找到链表的尾指针

printf("注意：当序号为负数时输入结束\n\n");

p1=(struct node \*)malloc(sizeof(struct node));

p1=p;

do{

printf("请输入序号：");

scanf("%d",&p1->num);

if(p1->num<0)

break;

printf("请输入名称：");

scanf("%s",p1->name);

printf("请输入姓名：");

scanf("%s",p1->auther);

printf("请输入类型：");

scanf("%s",p1->type);

printf("请输入地点：");

scanf("%s",p1->where);

printf("请输入时间：");

scanf("%s",p1->date);

printf("请输入特点：");

scanf("%s",p1->Tedian);

printf("该信息已经录入完毕，请录入下一物品。\n");

p1->next=(struct node \*)malloc(sizeof(struct node));

p1=p1->next;

}while(1);

p1->next=NULL;

printf("录入输入结束！\n");

save(head);

}

void dongtai()

{

int i,j,e;

int a;

long time;

system("title 管理系统");

for(i=1,a=I;i<I/2;i++,a--)

{

for(j=(int) ( I-sqrt(I\*I-(a-i)\*(a-i)) );j>0;j--)

printf(" ");

for(e=1;e<=2\*sqrt(I\*I-(a-i)\*(a-i));e++)

printf("\*");

for(j=(int)

( 2\*( I-sqrt(I\*I-(a-i)\*(a-i)) ) );

j>0;j--)

printf(" ");

for(e=1;e<=2\*sqrt(I\*I-(a-i)\*(a-i));e++)

printf("\*");

printf("\n"); }

for(i=1;i<80;i++)

{

if(i==25)

{

printf(" 我爱!! ");

i+=28;

}

printf("\*");

}

printf("\n");

for(i=1;i<=R/2;i++)

{

if(i%2||i%3)

continue;

for(j=(int)

( R-sqrt(R\*R-i\*i) );j>0;j--)

printf(" ");

for(e=1;e<=2\*( sqrt(R\*R-i\*i) - (R-2\*I) );e++)

printf("\*");

printf("\n");

}

for(; ; )

{

system("color a");

for(time=0;time<89999999;time++);

system("color b");

for(time=0;time<89999999;time++); system("color c");

for(time=0;time<89999999;time++); system("color d");

for(time=0;time<89999999;time++); system("color e");

for(time=0;time<89999999;time++); system("color f");

for(time=0;time<89999999;time++);

system("color 0");

for(time=0;time<89999999;time++);

system("color 1");

for(time=0;time<89999999;time++);

system("color 2");

for(time=0;time<89999999;time++);

system("color 3");

for(time=0;time<89999999;time++);

system("color 4");

for(time=0;time<89999999;time++);

system("color 5");

for(time=0;time<89999999;time++);

system("color 6");

for(time=0;time<89999999;time++);

system("color 7");

for(time=0;

time<89999999;time++);

system("color 8");

for(time=0;time<89999999;time++);

system("color 9");

for(time=0;time<8999999;time++);

system("color db");

for(time=0;time<8999999;time++);

system("color ac");

for(time=0;time<89999999;time++); system("color 8d");

for(time=0;time<89999999;time++); system("color be");

system("cls");

break;}}

//初始化函数

void checkfirst()

{

FILE \*fp2,\*fp1;

char a[9];

int i;

if((fp2=fopen("d.txt","r"))==NULL)

{

strcpy(a,"12345678");

i=0;

while(a[i])

{

fputc(a[i],fp1);

i++;

}

fclose(fp1);

}

else

{

i=0;

while(!feof(fp2)&&i<8)

a[i++]=fgetc(fp2);

a[i]='\0';

if(i>=8)

i--;

while(a[i]!=-1&&i>=0)

i--;

a[i]='\0';

strcpy(password,a);

}

}

//修改密码函数

void update()

{

char a[9],a1[9],ch;

int i;

FILE \*fp1;

system("cls");

printf("\n请输入旧密码：\n");

for(i=0;i<8&&((a[i]=getch())!=13);i++)

putch('\*');

a[i]='\0';

if(strcmp(password,a)!=0)

{

printf("\n密码错误，请按任意键退出！\n");

getch();

return ;

}

do{

printf("\n设置新密码，请不要超过8位：\n");

for(i=0;i<8&&((a[i]=getch())!=13);i++)

putch('\*');

a[i]='\0';

printf("\n");

printf("请再确认密码：\n");

for(i=0;i<8&&((a1[i]=getch())!=13);i++)

putch('\*');

a1[i]='\0';

if(strcmp(a,a1)!=0)

printf("\n两次密码输入不一致，请重新输入！\n\n");

else

break;

}while(1);

if((fp1=fopen("d.txt","w"))==NULL)

{

printf("\n系统创建失败，按任意键退出！");

getch();

exit(1);

}

i=0;

while(a[i])

{

fputc(a[i],fp1);

i++;

}

fclose(fp1);

printf("\n密码修改成功，按任意键退出!\n");

getch();

return ;

}