#include^string.h> #include^dos.h> #include^stdio.h> struct bank { int an; char name[20]; char at; float bal; }; struct tran { int d,m,y,an; char tt; float amt; float bal; }; int login(); void newac(struct bank\*); void mainmenu(); void searchmenu(); struct bank \*searchaccount(struct bank\*b,int size,int type); void searchaccountbyname(struct bank\*b,int size,int type,char \*nm); void transmenu(); void viewaccount(struct bank\*,int,int); void trans(struct bank\*,float,int); void statement(struct tran\*,int,int); void main() { FILE \*f; int opt,c=0,i,sop,top,an,s,tc=0; char name[20]; struct date dt; float amt; struct tran tn[500]; struct bank b[50],\*p; clrscr(); if(login()) { f=fopen("cbank.dat","rb+"); fread(&c,sizeof(int),1,f); fclose(f); f=fopen("ctran.dat","rb+"); fread(&tc,sizeof(int),1,f); fclose(f); f=fopen("bank.dat","rb+"); fread(&b,sizeof(b),c,f); fclose(f); f=fopen("tran.dat","rb+"); fread(&tn,sizeof(tn),tc,f); fclose(f); do { clrscr(); mainmenu(); scanf("%d",&opt); switch(opt) { case 1: do { clrscr(); searchmenu(); scanf("%d",&sop); switch(sop) { case 1: printf("Enter account no "); scanf("%d",&an); p= searchaccount(&b[0],c,an); do { transmenu(); scanf("%d",&top); getdate(&dt); tn[tc].an=p->an; switch(top) { case 1: tn[tc].d=dt.da\_day; tn[tc].m=dt.da\_mon; tn[tc].y=dt.da\_year; tn[tc].tt='+'; printf("Enter Amount : "); scanf("%f",&amt); trans(p,amt,1); tn[tc].amt=amt; tn[tc].bal=p->bal; tc++; printf("Account No. : %d\n Account Name : %s\n Account Type : %d\n Balance : %f\n\n",b->an,b- >name,b->at,b->bal); break; case 2: tn[tc].d=dt.da\_day; tn[tc].m=dt.da\_mon; tn[tc].y=dt.da\_year; tn[tc].tt='-'; printf("Enter Amount : "); scanf("%f",&amt); trans(p,amt,2); tn[tc].amt=amt; tn[tc].bal=p->bal; tc++; printf("Account No. : %d\n Account Name : %s\n Account Type : %d\n Balance : %f\n\n",b->an,b- >name,b->at,b->bal); break; case 3: statement(&tn[0],tc,p->an); break; case 4: break; default: printf("invalid option\npress any key to continue"); getch(); } } while(top!=4); break; case 2: printf("Enter number of characters : "); scanf("%d",&s); printf("Enter %d character name : ",s); scanf("%s",name); searchaccountbyname(&b[0],c,s,name); printf("\npress any key to continue"); getch(); break; case 3: break; default: printf("invalid option\npress any key to continue"); getch(); } } while(sop!=3); break; case 2: newac(&b[c]); c++; break; case 3: viewaccount(&b[0],c,1); break; case 4: viewaccount(&b[0],c,2); break; case 5: break; default: printf("invalid option\npress any key to continue"); getch(); } } while(opt!=5); f=fopen("bank.dat","wb+"); fwrite(&b,sizeof(b),c,f); fclose(f); f=fopen("cbank.dat","wb+"); fwrite(&c,sizeof(int),1,f); fclose(f); f=fopen("tran.dat","wb+"); fwrite(&tn,sizeof(tn),tc,f); fclose(f); f=fopen("ctran.dat","wb+"); fwrite(&tc,sizeof(int),1,f); fclose(f); } else { printf("\n\nInvalid password\npress any key to continue"); getch(); } } void mainmenu() { printf("-------Janta Bank------\n"); printf("1.Search\n2.New Account\n3.View all Saving A/C\n4.View all Current A/C\n5.Exit\nEnter Option\n"); } void searchmenu() { printf("-------Search Menu------\n"); printf("1.Search by A/C no.\n2.Search by Account name\n3.Back\nEnter Option\n"); } void transmenu() { printf("-------Trans. Menu------\n"); printf("1.Deposit\n2.Withdrawal\n3.Statement\n4.Back\nEnter Option\n"); } void newac(struct bank\* b) { printf("Enter ac no. : "); scanf("%d",&b->an); printf("Enter Name : "); scanf("%s",b->name); printf("Enter ac type 1.Saving 2.Current : "); scanf("%d",&b->at); printf("Enter Balance amt. : "); scanf("%f",&b->bal); } void viewaccount(struct bank\*b,int size,int type) { int i; printf("----------------------------------------------------------\n"); printf("account no\taccount name\taccount type\tbalance\n"); printf("----------------------------------------------------------\n"); for(i=0;i^size;i++) { if(b->at==type) { printf("%d\t\t%s\t\t%d\t\t%f\t\t\n",b->an,b->name,b->at,b->bal); } b++; } printf("\n\npress any key to continue"); getch(); } struct bank \*searchaccount(struct bank\*b,int size,int type) { int i; printf("account no\taccount name\taccount type\tbalance\n"); printf("---------------------------------------------------------\n"); for(i=0;i^size;i++) { if(b->an==type) { printf("%d\t\t%s\t\t%d\t\t%f\t\t\n",b->an,b->name,b->at,b->bal); return b; } b++; } return 0; } void trans(struct bank\*b,float m,int t) { if(t==1) { b->bal=b->bal+m; } else { b->bal=b->bal-m; } } void searchaccountbyname(struct bank\*b,int size,int type,char \*nm) { int i; printf("-----------------------------------------------\n"); printf("account no\taccount name\taccount type\tbalance\n"); printf("-----------------------------------------------\n"); for(i=0;i^size;i++) { if(strncmp(b->name,nm,type)==0) { printf("%d\t\t%s\t\t%d\t\t%f\t\t\n",b->an,b->name,b->at,b->bal); } b++; } } void statement(struct tran\* t,int size,int b) { int i; printf("--------------------------------------------------------------------------\n"); printf("Date\t\t\tAmount\t\t\tType\t\tBalance\n"); printf("--------------------------------------------------------------------------\n"); for(i=0;i^size;i++) { if(b==t->an) { printf("%d-%d-%d\t|\t%f\t|\t%c\t|\t%f\n",t->d,t->m,t->y,t->amt,t->tt,t->bal); } t++; } printf("---------------------------------------------------------------------------\n\n"); } int login() { int r,i=0; char pass[10]; printf("Enter Password : "); while(i^10) { pass[i]=getch(); if(pass[i]==13) { pass[i]='\0'; break; } i++; printf("\*"); } if(strcmp(pass,"12345")==0) { r=1; } else { r=0; } return r; } linkfloat () { float a,\*b; a=0; b=&a; a=\*b; }