**C PACKAGE SOURCE CODE:**

/\*FINANCE MANAGEMENT SYSTEM\*/

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<stdlib.h>

void admin();

void newcust();

void signup(char us[20],char pw[20]);

void existcust();

int login(char usid[20]);

void loan\_scheme(int opn4,char usid[20]);

int calender(int d,int m,int y);

float deposit\_scheme(float amt\_dep,int num\_years);

void search();

void del();

void customer();

int main()

{

int opn1,opn2;

printf("\n\t\t \*\*\*FINANCE MANAGEMENT SYSTEM\*\*\* \t\t\n");

printf("\n\t\t PSG FINANCE \t\n");

v1 :

printf("\n 1.Admin.");

printf("\n 2.Customer.");

printf("\n Enter your status : ");

scanf("%d",&opn1);

if(opn1 != 1 && opn1 != 2)

{

printf("\n Invalid.");

goto v1;

}

switch(opn1)

{

case 1 :

admin();

do

{

system("cls");

v3 :

printf("\n 1.New Customer.");

printf("\n 2.Existing Customer.");

printf("\n 3.Search Customer Record.");

printf("\n 4.Delete Customer Record.");

printf("\n 0.Exit.");

printf("\n What to do ? ");

scanf("%d",&opn2);

system("cls");

if(opn2 !=0 && opn2 != 1 && opn2 != 2 && opn2 != 3 && opn2 != 4 && opn2 != 5)

{

printf("\n Invalid.");

goto v3;

}

switch(opn2)

{

case 1 :

newcust();

break;

case 2 :

existcust();

break;

case 3 :

search();

break;

case 4 :

del();

break;

case 0 :

exit(0);

break;

}

}while(opn2 != 0);

break;

case 2 :

customer();

break;

}

}

void admin()

{

system("cls");

char usn[20],pwd[20],p;

int i;

v2 :

printf("\n Enter the USERNAME : ");

scanf("%s",usn);

fflush(stdin);

printf("\n Enter the PASSWORD : ");

i=0;

while(i>=0)

{

pwd[i]=getch();

p=pwd[i];

if(p==13)

{

break;

}

else

{

printf("\*");

}

i++;

}

pwd[i]='\0';

if((strcmp(usn,"admin")==0) && (strcmp(pwd,"psg3908")==0))

{

printf("\n Login Successful...");

}

else

{

printf("\n Invalid..Plz Retry..!");

goto v2;

}

system("cls");

}

void newcust()

{

FILE \*nw1;

int l1,l2;

struct details

{

int custcode,ln\_num,dep\_num,door\_no;

char usid[20],pwd[20],custname[40],mob\_num[15],guardian[40],city[20],aadhaar[15],mail[50],landmark[30];

}x;

printf("\n Customer Code : ");

scanf("%d",&x.custcode);

printf("\n UserID : ");

scanf("%s",x.usid);

printf("\n Password : ");

scanf("%s",x.pwd);

signup(x.usid,x.pwd);

nw1 = fopen(x.usid,"w");

if(nw1 == NULL)

{

printf("\n Can't open the file.");

}

system("cls");

printf("\n Enter the following particulars : \n");

printf("\n Customer Name : ");

scanf(" %[^\n]s",x.custname);

v4 :

printf("\n Mobile Number : ");

scanf(" %s",x.mob\_num);

l1 = strlen(x.mob\_num);

if(x.mob\_num[0] < 6 || l1 != 10)

{

printf("\n Invalid.");

goto v4;

}

printf("\n Guardian Name : ");

scanf(" %[^\n]s",x.guardian);

printf("\n Landmark:");

scanf(" %s",x.landmark);

printf("\n Door no:");

scanf("%d",&x.door\_no);

printf("\n City : ");

scanf(" %[^\n]s",x.city);

v5 :

printf("\n Aadhaar Number : ");

scanf(" %s",x.aadhaar);

l2 = strlen(x.aadhaar);

if(l2 != 12)

{

printf("\n Invalid.");

goto v5;

}

printf("\n E-Mail ID : ");

scanf(" %s",x.mail);

strlwr(x.mail);

x.ln\_num = 0;

x.dep\_num = 0;

fprintf(nw1,"%d %s %s %s %s %s %d %s %s %s %s %d %d",x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,x.ln\_num,x.dep\_num);

fclose(nw1);

}

void signup(char us[20],char pw[20])

{

FILE \*signup;

signup = fopen("signup","a");

if(signup == NULL)

{

printf("\n Error Can't Open the File.");

}

fprintf(signup,"%s %s\n",us,pw);

printf("\n LOGIN CREATED");

fclose(signup);

system("pause");

system("cls");

}

void existcust()

{

struct details

{

int custcode,ln\_num,dep\_num,door\_no;

char usid[20],pwd[20],custname[40],mob\_num[15],guardian[40],city[20],aadhaar[15],mail[50],landmark[30];

}x;

struct deposit

{

int num\_years;

float amt\_dep,dep\_amt;

struct date

{

int day,month,year;

}d3,d4;

}d;

FILE \*details, \*deposit;

int v6,opn3,opn4,num\_years;

char usid[20],snumdeposit[10],depositID[10];

float amt\_dep,dep\_amt;

printf("\n Enter the USER ID : ");

scanf("%s",usid);

v6 = login(usid);

if(v6 == 1)

{

v7:

system("cls");

printf("\n 1.Loan.");

printf("\n 2.Deposit.");

printf("\n Do you want loan OR deposit ? ");

scanf("%d",&opn3);

if(opn3 != 1 && opn3 != 2)

{

printf("\n Invalid.");

goto v7;

}

system("cls");

switch(opn3)

{

case 1 :

v8 :

printf("\n 1.New Loan.");

printf("\n 2.Existing Loan.");

printf("\n Enter your choice : ");

scanf("%d",&opn4);

if(opn4 != 1 && opn4 != 2)

{

printf("\n Invalid.");

goto v8;

}

system("cls");

loan\_scheme(opn4,usid);

break;

case 2 :

details = fopen(usid,"r");

if(details == NULL)

{

printf("\n Error Can't open the file.");

}

fscanf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",&x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,&x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,&x.ln\_num,&x.dep\_num);

x.dep\_num = x.dep\_num + 1;

fclose(details);

details = fopen(usid,"w");

if(details == NULL)

{

printf("\n Error Can't open the file.");

}

fprintf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,x.ln\_num,x.dep\_num);

fclose(details);

sprintf(snumdeposit,"%d",x.dep\_num);

strcat(snumdeposit,"D");

strcat(snumdeposit,usid);

strcpy(depositID,snumdeposit);

deposit = fopen(depositID,"w");

if(deposit == NULL)

{

printf("\n Error Can't open the file.");

}

printf("\n DEPOSIT SCHEMES");

printf("\n DEPOSIT INTEREST ");

printf("\n (i) Till 3 years 2 percent.");

printf("\n (ii) 3 to 6 years Half the deposit amount.");

printf("\n (iii) Above 6 years Equal the deposit amount.");

v13 :

printf("\n Enter the no.of years : ");

scanf("%d",&d.num\_years);

num\_years = d.num\_years;

if(num\_years <= 0)

{

printf("\n Invalid.");

goto v13 ;

}

v14 :

printf("\n Amount deposited : ");

scanf("%f",&d.amt\_dep);

amt\_dep = d.amt\_dep;

if(amt\_dep < 0)

{

printf("\n Invalid.");

goto v14;

}

system("cls");

d.dep\_amt = deposit\_scheme(amt\_dep,num\_years);

printf("\n Amount available after the completion of deposit scheme : %f",d.dep\_amt);

printf("\n Starting date : ");

scanf("%d.%d.%d",&d.d3.day,&d.d3.month,&d.d3.year);

printf("\n Expiry date : ");

scanf("%d.%d.%d",&d.d4.day,&d.d4.month,&d.d4.year);

fprintf(deposit,"%s %f %d %f %d.%d.%d %d.%d.%d",depositID,d.amt\_dep,d.num\_years,d.dep\_amt,d.d3.day,d.d3.month,d.d3.year,d.d4.day,d.d4.month,d.d4.year);

printf("\n Amount deposited successfully.");

printf("\n Deposit ID : %s",depositID);

printf("\n Please note this for future reference!");

fclose(deposit);

system("pause");

break;

}

}

}

int login(char usid[20])

{

int i;

char us1[20], pw1[20],pw[20],p;

FILE \*signup;

printf("\n Enter the PASSWORD : ");

i=0;

while(i>=0)

{

pw[i]=getch();

p=pw[i];

if(p==13)

{

break;

}

else

{

printf("\*");

}

i++;

}

pw[i]='\0';

signup=fopen("signup","r");

if(signup == NULL)

{

printf("\n Error Can't open the file.");

}

while(1)

{

fscanf(signup,"%s %s",us1,pw1);

if(feof(signup))

{

break;

}

if(strcmp(usid,us1)==0)

{

if(strcmp(pw,pw1)==0)

{

printf("\n Login Successful...");

return 1;

break;

}

else

{

return 0;

}

}

}

fclose(signup);

system("cls");

}

void loan\_scheme(int opn4,char usid[20])

{

FILE \*details, \*loanf, \*loan;

int ln\_num,date,opn5,count;

char snumloan[10],search[10];

struct details

{

int custcode,ln\_num,dep\_num,door\_no;

char usid[20],pwd[20],custname[40],mob\_num[15],guardian[40],city[20],aadhaar[15],mail[50],landmark[30];

}x;

struct loan

{

int ln\_no,paid\_months;

char usid[20];

struct date

{

int day,month,year;

}d1,d2;

float ln\_amt,amt\_paid,balance\_amt,int\_amt,int\_amt\_paid;

}l;

details = fopen(usid,"r");

if(details == NULL)

{

printf("\n Error Can't open the file.");

}

fscanf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",&x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,&x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,&x.ln\_num,&x.dep\_num);

switch(opn4)

{

case 1 :

ln\_num = x.ln\_num + 1;

fclose(details);

details = fopen(usid,"w");

if(details == NULL)

{

printf("\n Error Can't open the file.");

}

x.ln\_num = ln\_num;

fprintf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,x.ln\_num,x.dep\_num);

fclose(details);

strcpy(l.usid,x.usid);

sprintf(snumloan,"%d",ln\_num);

strcat(snumloan,usid);

loanf = fopen(snumloan,"w");

if(loanf == NULL)

{

printf("\n Error Can't open the file.");

}

l.ln\_no = ln\_num;

printf("\n Loan date (dd.mm.yyyy) : ");

scanf("%d.%d.%d",&l.d1.day,&l.d1.month,&l.d1.year);

v9 :

printf("\n Loan Amount : ");

scanf("%f",&l.ln\_amt);

if(l.ln\_amt < 0)

{

printf("\n Invalid.");

goto v9;

}

l.amt\_paid = 0;

l.balance\_amt = l.ln\_amt;

l.int\_amt = 0;

l.int\_amt\_paid = 0;

l.paid\_months = 0;

date = calender(l.d1.day,l.d1.month,l.d1.year);

l.d2.day = date / 1000000;

date = date % 1000000;

l.d2.month = date / 10000;

l.d2.year = date % 10000;

fprintf(loanf,"%d %d.%d.%d %f %f %f %f %f %d %d.%d.%d %s\n",l.ln\_no,l.d1.day,l.d1.month,l.d1.year,l.ln\_amt,l.amt\_paid,l.balance\_amt,l.int\_amt,l.int\_amt\_paid,l.paid\_months,l.d2.day,l.d2.month,l.d2.year,l.usid);

printf("\n Your LOAN ID : %s",snumloan);

printf("\n Please note this for future reference!");

fclose(loanf);

system("pause");

system("cls");

break;

case 2 :

printf("\n Enter your loan ID : ");

scanf("%s",search);

loan = fopen(search,"r");

if(loan == NULL)

{

printf("\n Error Can't open the file.");

}

fscanf(loan,"%d %d.%d.%d %f %f %f %f %f %d %d.%d.%d %s\n",&l.ln\_no,&l.d1.day,&l.d1.month,&l.d1.year,&l.ln\_amt,&l.amt\_paid,&l.balance\_amt,&l.int\_amt,&l.int\_amt\_paid,&l.paid\_months,&l.d2.day,&l.d2.month,&l.d2.year,l.usid);

if(strcmp(l.usid,usid)==0)

{

v10 :

printf("\n Monthly Interest 2 percent.");

printf("\n 1.To pay the loan amount.");

printf("\n 2.To pay the interest.");

printf("\n Enter the choice : ");

scanf("%d",&opn5);

if(opn5 != 1 && opn5 != 2)

{

printf("\n Invalid.");

goto v10;

}

system("cls");

switch(opn5)

{

case 1 :

v11 :

printf("\n Loan Amount : ");

scanf("%f",&l.amt\_paid);

if(l.amt\_paid > l.ln\_amt)

{

printf("\n Invalid.");

goto v11;

}

l.balance\_amt = l.balance\_amt - l.amt\_paid;

l.int\_amt = l.balance\_amt \* (2.0 / 100);

printf("\n Details updated.");

system("pause");

system("cls");

break;

case 2 :

l.int\_amt = l.balance\_amt \* (2.0 / 100);

printf("\n Interest amount to be paid : %f",l.int\_amt);

v12 :

printf("\n Amount of interest paid : ");

scanf("%f",&l.int\_amt\_paid);

if(l.int\_amt\_paid != l.int\_amt)

{

printf("\n Invalid.");

goto v12;

}

count = l.paid\_months;

count++;

printf("\n No.of months interest paid : %d",count);

l.paid\_months = count;

printf("\n Details updated.");

system("pause");

system("cls");

break;

}

}

fclose(loan);

loan = fopen(search,"w");

fprintf(loan,"%d %d.%d.%d %f %f %f %f %f %d %d.%d.%d %s\n",l.ln\_no,l.d1.day,l.d1.month,l.d1.year,l.ln\_amt,l.amt\_paid,l.balance\_amt,l.int\_amt,l.int\_amt\_paid,l.paid\_months,l.d2.day,l.d2.month,l.d2.year,l.usid);

fclose(loan);

system("pause");

system("cls");

}

}

int calender(int d,int m,int y)

{

int month[12] = {31,28,31,30,31,30,31,31,30,31,30,31};

int nd,nm,ny,nd1,date;

nd1 = month[m-1];

if(m==2)

{

if(y % 100 == 0)

{

if(y % 400 == 0)

{

nd1 = 28;

}

}

else

{

if(y % 4 == 0)

{

nd1 = 29;

}

}

}

nd = d + 31;

nm = m;

ny = y;

if(nd > nd1)

{

nd = nd - nd1;

nm++;

}

if(nm > 12)

{

nm = 1;

ny++;

}

date = nd \* 1000000 + nm \* 10000 + ny;

return date;

}

float deposit\_scheme(float amt\_dep,int num\_years)

{

float dep\_amt\_int,dep\_amt;

if(num\_years > 0 && num\_years < 3)

{

dep\_amt\_int = amt\_dep \* (2.0 / 100);

dep\_amt = dep\_amt\_int + amt\_dep;

return dep\_amt;

}

else if(num\_years >= 3 && num\_years < 6)

{

dep\_amt\_int = amt\_dep / 2.0;

dep\_amt = dep\_amt\_int + amt\_dep;

return dep\_amt;

}

else

{

dep\_amt\_int = amt\_dep;

dep\_amt = dep\_amt\_int + amt\_dep;

return dep\_amt;

}

}

void search()

{

struct details

{

int custcode,ln\_num,dep\_num,door\_no;

char usid[20],pwd[20],custname[40],mob\_num[15],guardian[40],city[20],aadhaar[15],mail[50],landmark[30];

}x;

struct loan

{

int ln\_no,paid\_months;

char usid[20];

struct date

{

int day,month,year;

}d1,d2;

float ln\_amt,amt\_paid,balance\_amt,int\_amt,int\_amt\_paid;

}l;

struct deposit

{

int num\_years;

float amt\_dep,dep\_amt;

struct date d3,d4;

}d;

int opn6;

char usid[30],loanid[20],depid[20],depositID[20],another='Y';

FILE \*details,\*loan,\*deposit;

while(another == 'Y' || another == 'y'){

system("cls");

printf("\n 1.To view customer's details.");

printf("\n 2.To view loan details.");

printf("\n 3.To view deposit details.");

printf("\n Enter what to search ? ");

scanf("%d",&opn6);

system("cls");

switch(opn6)

{

case 1:

printf("\n Enter the USERID : ");

scanf("%s",usid);

details = fopen(usid,"r");

if(details == NULL)

{

printf("\n No login found in this user ID (Invalid userID).");

break;

}

while(fscanf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",&x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,&x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,&x.ln\_num,&x.dep\_num)!=EOF);

printf("\n\t\t Customer code : %d\n\t\t User ID : %s\n\t\t Password : %s\n\t\t Customer name : %s\n\t\t Phone number : %s\n\t\t Guardian name : %s\n\t\t Door no : %d\n\t\t Landmark : %s\n\t\t City : %s\n\t\t Aadhaar No : %s\n\t\t Mail ID : %s\n\t\t No.of.loans : %d\n\t\t No.of.deposits : %d\n",x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,x.ln\_num,x.dep\_num);

fclose(details);

break;

case 2:

printf("\n Enter the LOAN ID : ");

scanf("%s",loanid);

loan = fopen(loanid,"r");

if(loan == NULL)

{

printf("\n There is no loan in this ID.");

break;

}

while(fscanf(loan,"%d %d.%d.%d %f %f %f %f %f %d %d.%d.%d %s\n",&l.ln\_no,&l.d1.day,&l.d1.month,&l.d1.year,&l.ln\_amt,&l.amt\_paid,&l.balance\_amt,&l.int\_amt,&l.int\_amt\_paid,&l.paid\_months,&l.d2.day,&l.d2.month,&l.d2.year,l.usid)!=EOF);

printf("\n\t\t Loan no \t\t: %d\n\t\t Loan date \t\t: %d.%d.%d\n\t\t Loan amount \t\t: %f\n\t\t Loan amount paid \t: %f\n\t\t Balance amount to pay : %f\n\t\t Interest amount \t: %f\n\t\t Interest amount paid : %f\n\t\t No.of.months paid \t: %d\n\t\t Due date \t\t: %d.%d.%d\n\t\t User ID \t\t: %s\n",l.ln\_no,l.d1.day,l.d1.month,l.d1.year,l.ln\_amt,l.amt\_paid,l.balance\_amt,l.int\_amt,l.int\_amt\_paid,l.paid\_months,l.d2.day,l.d2.month,l.d2.year,l.usid);

fclose(loan);

break;

case 3:

printf("\n Enter the DEPOSIT ID : ");

scanf("%s",depid);

deposit = fopen(depid,"r");

if(deposit == NULL)

{

printf("\n There is no deposit in this ID.");

break;

}

while(fscanf(deposit,"%s %f %d %f %d.%d.%d %d.%d.%d",depositID,&d.amt\_dep,&d.num\_years,&d.dep\_amt,&d.d3.day,&d.d3.month,&d.d3.year,&d.d4.day,&d.d4.month,&d.d4.year) != EOF);

printf("\n\t\t Deposit ID \t\t\t: %s\n\t\t Deposit amount \t\t\t: %f\n\t\t No.of years to be deposited \t\t: %d\n\t\t Amount available after deposition : %f\n\t\t Starting date \t\t\t\t: %d.%d.%d\n\t\t Ending date \t\t\t\t: %d.%d.%d\n",depositID,d.amt\_dep,d.num\_years,d.dep\_amt,d.d3.day,d.d3.month,d.d3.year,d.d4.day,d.d4.month,d.d4.year);

fclose(deposit);

break;

}

printf("\n Do you want to search another record ? ");

fflush(stdin);

another = getche();

}

}

void del()

{

FILE \*details,\*loan,\*deposit;

char usid[20],loanid[20],depid[20],another='Y';

int opn7;

while(another == 'Y' || another == 'y'){

system("cls");

printf("\n 1.To delete Customer details.");

printf("\n 2.To delete Loan.");

printf("\n 3.To delete Deposit.");

printf("\n Enter what to do delete ? ");

scanf("%d",&opn7);

system("cls");

switch(opn7)

{

case 1:

printf("\n Enter the USER ID to deleted : ");

scanf("%s",usid);

if(usid == NULL)

{

printf("\n No login found in this user ID (Invalid USERID).");

}

if(remove(usid)==0)

{

printf("\n File has been deleted successfully!!!");

}

else

{

printf("\n Unable to delete the file!!!\n");

}

break;

case 2:

printf("\n Enter the LOAN ID to be deleted : ");

scanf("%s",loanid);

if(loanid == NULL)

{

printf("\n There is no loan in this ID.");

}

if(remove(loanid) == 0)

{

printf("\n File has been deleted successfully!!!\n");

}

else

{

printf("\n Unable to delete the file!!!");

}

break;

case 3:

printf("\n Enter the DEPOSIT ID to be deleted : ");

scanf("%s",depid);

if(depid==NULL)

{

printf("\n There is no deposit in this ID.");

}

if(remove(depid) == 0)

{

printf("\n File has been deleted successfully!!!");

}

else

{

printf("\n Unable to delete the file!!!");

}

break;

}

system("pause");

system("cls");

printf("\n Do you want to delete another record ? ");

fflush(stdin);

another = getche();

}

}

void customer()

{

system("cls");

FILE \*details,\*loan,\*deposit;

struct details

{

int custcode,ln\_num,dep\_num,door\_no;

char usid[20],pwd[20],custname[40],mob\_num[15],guardian[40],city[20],aadhaar[15],mail[50],landmark[30];

}x;

struct loan

{

int ln\_no,paid\_months;

char usid[20];

struct date

{

int day,month,year;

}d1,d2;

float ln\_amt,amt\_paid,balance\_amt,int\_amt,int\_amt\_paid;

}l;

struct deposit

{

int num\_years;

float amt\_dep,dep\_amt;

struct date d3,d4;

}d;

char usid[20],loanid[20],depid[20],depositID[20],another='Y';

int opn8;

printf("\n Enter your USER ID:");

scanf("%s",usid);

login(usid);

system("cls");

while(another == 'Y' || another == 'y'){

system("cls");

printf("\n 1.To view your personal details.");

printf("\n 2.To view loan details.");

printf("\n 3.To view deposit details.");

printf("\n 0.Exit.");

printf("\n Enter what to view ? ");

scanf("%d",&opn8);

system("cls");

switch(opn8)

{

case 1:

printf("\n Enter the USER ID to view your details : ");

scanf("%s",usid);

details = fopen(usid,"r");

if(usid == NULL)

{

printf("\n No login found in this USERID (Invalid userID).");

}

while(fscanf(details,"%d %s %s %s %s %s %d %s %s %s %s %d %d",&x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,&x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,&x.ln\_num,&x.dep\_num)!=EOF);

printf("\n\t\t Customer code : %d\n\t\t User ID : %s\n\t\t Password : %s\n\t\t Customer name : %s\n\t\t Phone number : %s\n\t\t Guardian name : %s\n\t\t Door no : %d\n\t\t Landmark : %s\n\t\t City : %s\n\t\t Aadhaar No : %s\n\t\t Mail ID : %s\n\t\t No.of.loans : %d\n\t\t No.of.deposits : %d\n",x.custcode,x.usid,x.pwd,x.custname,x.mob\_num,x.guardian,x.door\_no,x.landmark,x.city,x.aadhaar,x.mail,x.ln\_num,x.dep\_num);

fclose(details);

system("pause");

break;

case 2:

printf("\n Enter your LOAN ID to view your loan details : ");

scanf("%s",loanid);

loan = fopen(loanid,"r");

if(loanid == NULL)

{

printf("\n There is no loan in this ID.");

}

while(fscanf(loan,"%d %d.%d.%d %f %f %f %f %f %d %d.%d.%d %s\n",&l.ln\_no,&l.d1.day,&l.d1.month,&l.d1.year,&l.ln\_amt,&l.amt\_paid,&l.balance\_amt,&l.int\_amt,&l.int\_amt\_paid,&l.paid\_months,&l.d2.day,&l.d2.month,&l.d2.year,l.usid)!=EOF);

printf("\n\t\t Loan no \t\t: %d\n\t\t Loan date \t\t: %d.%d.%d\n\t\t Loan amount \t\t: %f\n\t\t Loan amount paid \t: %f\n\t\t Balance amount to pay : %f\n\t\t Interest amount \t: %f\n\t\t Interest amount paid : %f\n\t\t No.of.months paid \t: %d\n\t\t Due date \t\t: %d.%d.%d\n\t\t User ID \t\t: %s\n",l.ln\_no,l.d1.day,l.d1.month,l.d1.year,l.ln\_amt,l.amt\_paid,l.balance\_amt,l.int\_amt,l.int\_amt\_paid,l.paid\_months,l.d2.day,l.d2.month,l.d2.year,l.usid);

fclose(loan);

system("pause");

break;

case 3:

printf("\n Enter the DEPOSIT ID to view your deposit details : ");

scanf("%s",depid);

deposit = fopen(depid,"r");

if(depid == NULL)

{

printf("\n There is no deposit in this ID.");

}

while(fscanf(deposit,"%s %f %d %f %d.%d.%d %d.%d.%d",depositID,&d.amt\_dep,&d.num\_years,&d.dep\_amt,&d.d3.day,&d.d3.month,&d.d3.year,&d.d4.day,&d.d4.month,&d.d4.year) != EOF);

printf("\n\t\t Deposit ID \t\t\t: %s\n\t\t Deposit amount \t\t\t: %f\n\t\t No.of years to be deposited \t\t: %d\n\t\t Amount available after deposition : %f\n\t\t Starting date \t\t\t\t: %d.%d.%d\n\t\t Ending date \t\t\t\t: %d.%d.%d\n",depositID,d.amt\_dep,d.num\_years,d.dep\_amt,d.d3.day,d.d3.month,d.d3.year,d.d4.day,d.d4.month,d.d4.year);

fclose(deposit);

system("pause");

break;

default :

exit(0);

break;

}

}

}