

the concepts covered and the techniques used in the lesson covering the Bank Management system.

**PROGRAM:**

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
#include<windows.h>
```

```
#include <stdbool.h>
```

```
int i,j;
```

```
int main_exit;
```

```
void menu();
```

```
int atm();
```

```
void close();
```

```
struct date{
```

```
    int month,day,year;
```

```
};
```

```
struct {
```

```
    char name[60];
```

```
    int acc_no,age;
```

```
    char address[60];
```

```
    char citizenship[15];
```

```
    double phone;
```

```
    char acc_type[10];
```

```
    float amt;
```

```
struct date dob;

struct date deposit;

struct date withdraw;

}add,upd,check,rem,transaction;
```

```
float interest(float t,float amount,int rate)
```

```
{
    float SI;
    SI=(rate*t*amount)/100.0;
    return (SI);
```

```
}
```

```
void fordelay(int j)
```

```
{  int i,k;
    for(i=0;i<j;i++)
        k=i;
}
```

```
void new_acc()
```

```
{
    int choice;
    FILE *ptr;
```

```

ptr=fopen("record.dat","a+");

account_no:

system("cls");

printf("\t\t\t\t==== ADD RECORD ====");

printf("\n\n\nEnter today's date(mm/dd/yyyy):");

scanf("%d/%d/%d",&add.deposit.month,&add.deposit.day,&add.deposit.year);

printf("\n\nEnter the account number:");

scanf("%d",&check.acc_no);

while(fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,
add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depo
sit.day,&add.deposit.year)!=EOF)
{
    if (check.acc_no==add.acc_no)
    {printf("Account no. already in use!");

    fordelay(1000000000);

    goto account_no;

    }
}

add.acc_no=check.acc_no;

printf("\n\nEnter the name:");

scanf("%s",add.name);

printf("\n\nEnter the date of birth(mm/dd/yyyy):");

scanf("%d/%d/%d",&add.dob.month,&add.dob.day,&add.dob.year);

printf("\n\nEnter the age:");

```

```

scanf("%d",&add.age);

printf("\nEnter the address:");

scanf("%s",add.address);

printf("\nEnter the citizenship number:");

scanf("%s",add.citizenship);

printf("\nEnter the phone number: ");

scanf("%lf",&add.phone);

printf("\nEnter the amount to deposit:$");

scanf("%f",&add.amt);

printf("\nType of account:\n\t#Saving\n\t#Current\n\t#Fixed1(for 1 year)\n\t#Fixed2(for 2
years)\n\t#Fixed3(for 3 years)\n\n\tEnter your choice:");

scanf("%s",add.acc_type);


fprintf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.addre
ss,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.depos
it.year);


fclose(ptr);

printf("\nAccount created successfully!");

add_invalid:

printf("\n\n\n\t\tEnter 1 to go to the main menu and 0 to exit:");

scanf("%d",&main_exit);

system("cls");

if (main_exit==1)

    menu();

```

```

else if(main_exit==0)
    close();
else
    {
        printf("\nInvalid!\a");
        goto add_invalid;
    }
}

void view_list()
{
    FILE *view;

    view=fopen("record.dat","r");

    int test=0;

    system("cls");

    printf("\nACC. NO.\tNAME\t\tADDRESS\t\tPHONE\n");

    while(fscanf(view,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depos
it.day,&add.deposit.year)!=EOF)
    {
        printf("\n%6d\t %10s\t\t%10s\t\t%.0lf",add.acc_no,add.name,add.address,add.phone);

        test++;
    }

    fclose(view);

```

```
if (test==0)
{
    system("cls");
    printf("\nNO RECORDS!!\n");}
```

view\_list\_invalid:

```
printf("\n\nEnter 1 to go to the main menu and 0 to exit:");
scanf("%d",&main_exit);
system("cls");
if (main_exit==1)
    menu();
else if(main_exit==0)
    close();
else
{
    printf("\nInvalid!\a");
    goto view_list_invalid;
}
}
```

void edit(void)

```
{
    int choice,test=0;
    FILE *old,*newrec;
    old=fopen("record.dat","r");
    newrec=fopen("new.dat","w");
```

```

printf("\nEnter the account no. of the customer whose info you want to change:");

scanf("%d",&upd.acc_no);

while(fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depos
it.day,&add.deposit.year)!=EOF)

{
    if (add.acc_no==upd.acc_no)

    {   test=1;

        printf("\nWhich information do you want to change?\n1.Address\n2.Phone\n\nEnter your
choice(1 for address and 2 for phone):");

        scanf("%d",&choice);

        system("cls");

        if(choice==1)

            {printf("Enter the new address:");

                scanf("%s",upd.address);

                fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,upd.addre
ss,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.depos
it.year);

                    system("cls");

                    printf("Changes saved!");

                }

            else if(choice==2)

                {

                    printf("Enter the new phone number:");

                    scanf("%lf",&upd.phone);

```

```
        fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,upd.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
```

```
        system("cls");
```

```
        printf("Changes saved!");
```

```
    }
```

```
}
```

```
else
```

```
        fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
```

```
    }
```

```
fclose(old);
```

```
fclose(newrec);
```

```
remove("record.dat");
```

```
rename("new.dat","record.dat");
```

```
if(test!=1)
```

```
{    system("cls");
```

```
    printf("\nRecord not found!!\a\a");
```

```
    edit_invalid:
```

```
    printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
```

```
    scanf("%d",&main_exit);
```

```
    system("cls");
```



```

        if (main_exit==1)

            menu();

        else if (main_exit==2)

            close();

        else if(main_exit==0)

            edit();

        else

            {printf("\nInvalid!\a");

            goto edit_invalid;}

    }

else

    {printf("\n\nEnter 1 to go to the main menu and 0 to exit:");

    scanf("%d",&main_exit);

    system("cls");

    if (main_exit==1)

        menu();

    else

        close();

    }

}

```

```

void transact(void)

{  int choice,test=0;

    FILE *old,*newrec;

```

```

old=fopen("record.dat","r");

newrec=fopen("new.dat","w");


printf("Enter the account no. of the customer:");

scanf("%d",&transaction.acc_no);

while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depos
it.day,&add.deposit.year)!=EOF)

{

    if(add.acc_no==transaction.acc_no)

    {   test=1;

if(strcmpi(add.acc_type,"fixed1")==0||strcmpi(add.acc_type,"fixed2")==0||strcmpi(add.acc_type,
"fixed3")==0)

    {

        printf("\a\a\a\n\nYOU CANNOT DEPOSIT OR WITHDRAW CASH IN FIXED
ACCOUNTS!!!!");

        fordelay(1000000000);

        system("cls");

        menu();

    }

    printf("\n\nDo you want to\n1.Deposit\n2.Withdraw?\n\nEnter your choice(1 for
deposit and 2 for withdraw):");

    scanf("%d",&choice);

    if (choice==1)

```

```

{
    printf("Enter the amount you want to deposit:$ ");

    scanf("%f",&transaction.amt);

    add.amt+=transaction.amt;

    fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

    printf("\n\nDeposited successfully!");
}

else

{

    printf("Enter the amount you want to withdraw:$ ");

    scanf("%f",&transaction.amt);

    add.amt-=transaction.amt;

    fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

    printf("\n\nWithdrawn successfully!");
}

}

else

{

    fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

```

```
it.year);

    }

}

fclose(old);

fclose(newrec);

remove("record.dat");

rename("new.dat", "record.dat");

if(test!=1)

{

    printf("\n\nRecord not found!!");

    transact_invalid:

    printf("\n\nEnter 0 to try again,1 to return to main menu and 2 to exit:");

    scanf("%d",&main_exit);

    system("cls");

    if (main_exit==0)

        transact();

    else if (main_exit==1)

        menu();

    else if (main_exit==2)

        close();

    else

    {

        printf("\nInvalid!");

        goto transact_invalid;
```

```

    }

}

else

{

    printf("\nEnter 1 to go to the main menu and 0 to exit:");

    scanf("%d",&main_exit);

    system("cls");

    if (main_exit==1)

        menu();

    else

        close();

}

}

void erase(void)

{

    FILE *old,*newrec;

    int test=0;

    old=fopen("record.dat","r");

    newrec=fopen("new.dat","w");

    printf("Enter the account no. of the customer you want to delete:");

    scanf("%d",&rem.acc_no);

    while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a

```

```
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.deposit.day,&add.deposit.year)!=EOF)
```

```
{
```

```
    if(add.acc_no!=rem.acc_no)
```

```
        fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
```

```
    else
```

```
        {test++;
```

```
        printf("\nRecord deleted successfully!\n");
```

```
    }
```

```
}
```

```
fclose(old);
```

```
fclose(newrec);
```

```
remove("record.dat");
```

```
rename("new.dat","record.dat");
```

```
if(test==0)
```

```
{
```

```
    printf("\nRecord not found!!\a\a\a");
```

```
    erase_invalid:
```

```
    printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
```

```
    scanf("%d",&main_exit);
```

```
    if (main_exit==1)
```

```
        menu();
```

```

        else if (main_exit==2)

            close();

        else if(main_exit==0)

            erase();

        else

            {printf("\nInvalid!\a");

            goto erase_invalid;}

    }

else

    {printf("\nEnter 1 to go to the main menu and 0 to exit:");

    scanf("%d",&main_exit);

    system("cls");

    if (main_exit==1)

        menu();

    else

        close();

    }

}

```

```

void see(void)

{

    FILE *ptr;

    int test=0,rate;

    int choice;

```

```

float time;

float intrst;

ptr=fopen("record.dat","r");

printf("Do you want to check by\n1.Account no\n2.Name\nEnter your choice:");

scanf("%d",&choice);

if (choice==1)

{   printf("Enter the account number:");

    scanf("%d",&check.acc_no);


    while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depos
it.day,&add.deposit.year)!=EOF)

    {

        if(add.acc_no==check.acc_no)

        {   system("cls");

            test=1;


            printf("\nAccount NO.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d \nAddress:%s
\nCitizenship No:%s \nPhone number:%.0lf \nType Of Account:%s \nAmount deposited:$ %.2f
\nDate Of
Deposit:%d/%d/%d\n\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age
,add.address,add.citizenship,add.phone,

            add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

            if(strncmpi(add.acc_type,"fixed1")==0)

            {

                time=1.0;

                rate=9;

```



```

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+1);

    }

    else if(strcmpi(add.acc_type,"fixed2")==0)

    {

        time=2.0;

        rate=11;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+2);

    }

    else if(strcmpi(add.acc_type,"fixed3")==0)

    {

        time=3.0;

        rate=13;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3);

    }

    else if(strcmpi(add.acc_type,"saving")==0)

    {

        time=(1.0/12.0);

        rate=8;

```

```

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $.%.2f as interest on %d of every
month",intrst,add.deposit.day);

    }

    else if(strcmpi(add.acc_type,"current")==0)
    {

        printf("\n\nYou will get no interest\n");

    }

}

}

}

else if (choice==2)

{   printf("Enter the name:");

    scanf("%s",&check.name);

    while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&add.age,a
dd.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.month,&add.depos
it.day,&add.deposit.year)!=EOF)

    {

        if(strcmpi(add.name,check.name)==0)

        {   system("cls");

            test=1;

```

```
printf("\nAccount No.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d \nAddress:%s\nCitizenship No:%s \nPhone number:%.0lf \nType Of Account:%s \nAmount deposited:$%.2f\nDate Of Deposit:%d/%d/%d\n\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.citizenship,add.phone,
```

```
add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
```

```
if(strcmpi(add.acc_type,"fixed1")==0)
```

```
{
```

```
time=1.0;
```

```
rate=9;
```

```
intrst=interest(time,add.amt,rate);
```

```
printf("\n\nYou will get $%.2f as interest on %d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+1);
```

```
}
```

```
else if(strcmpi(add.acc_type,"fixed2")==0)
```

```
{
```

```
time=2.0;
```

```
rate=11;
```

```
intrst=interest(time,add.amt,rate);
```

```
printf("\n\nYou will get $%.2f as interest on %d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+2);
```

```
}
```

```
else if(strcmpi(add.acc_type,"fixed3")==0)
```

```
{
```

```
time=3.0;
```

```
rate=13;
```

```

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3);

    }

else if(strcmpi(add.acc_type,"saving")==0)
{
    time=(1.0/12.0);

    rate=8;

    intrst=interest(time,add.amt,rate);

    printf("\n\nYou will get $%.2f as interest on %d of every
month",intrst,add.deposit.day);

}

else if(strcmpi(add.acc_type,"current")==0)
{

    printf("\n\nYou will get no interest\n");

}

}

}

}

```

```

fclose(ptr);

if(test!=1)

    {   system("cls");

        printf("\nRecord not found!!\a\a");

        see_invalid:

        printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");

        scanf("%d",&main_exit);

        system("cls");

        if (main_exit==1)

            menu();

        else if (main_exit==2)

            close();

        else if(main_exit==0)

            see();

        else

            {

                system("cls");

                printf("\nInvalid!\a");

                goto see_invalid;}

    }

else

    {printf("\nEnter 1 to go to the main menu and 0 to exit:");

    scanf("%d",&main_exit);}

    if (main_exit==1)

        {

```

```
        system("cls");
        menu();
    }

    else
    {

        system("cls");
        close();
    }

}


void close(void)
{
    printf("\n\n\nBrought To You by code-projects.org");
}


void menu(void)
{
    int choice;

    system("cls");
    system("color 7");
    printf("\n\n\t\t\t BANKING MANAGEMENT SYSTEM");
```

```
printf("\n\n\n\t\t\xB2\xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE MAIN MENU
\xB2\xB2\xB2\xB2\xB2\xB2\xB2");
```

```
printf("\n\n\t\t[1] Create a new account\n\t\t[2] Update information of existing account\n\t\t[3]
Transactions\n\t\t[4] Check the details of existing account\n\t\t[5] Remove existing
account\n\t\t[6] View customer's list\n\t\t[7] ATM Feature\n\t\t[8] Exit\n\n\n\t\tEnter your
choice:");
```

```
scanf("%d",&choice);
```

```
system("cls");
```

```
switch(choice)
```

```
{
```

```
    case 1:new_acc();
```

```
    break;
```

```
    case 2:edit();
```

```
    break;
```

```
    case 3:transact();
```

```
    break;
```

```
    case 4:see();
```

```
    break;
```

```
    case 5:erase();
```

```
    break;
```

```
    case 6:view_list();
```

```
    break;
```

```
    case 7:atm();
```

```
    break;
```

```
    case 8:close();
```

```
    break;
```

```
}
```

```
}
```

```
int main()
```

```
{
```

```
    char pass[10],password[10]="MYCAPTAIN";
```

```
    int i=0;
```

```
    printf("\n\n\t\t\t Bank Management System\n\t\t\t\t\t User Login ");
```

```
    printf("\n\n\n\t\t\t Enter the password to login:");
```

```
    scanf("%s",pass);
```

```
    if (strcmp(pass,password)==0)
```

```
    {printf("\n\nPassword Match!\nLOADING");
```

```
    for(i=0;i<=6;i++)
```

```
    {
```

```
        fordelay(100000000);
```

```
        printf(". ");
```

```
    }
```

```
    printf("\n");
```

```
        system("pause");
```

```
        system("cls");
```

```
    menu();
```



```
    }  
else  
{ printf("\n\nWrong password!!\a\a");  
  login_try:  
  printf("\nEnter 1 to try again and 0 to exit:");  
  scanf("%d",&main_exit);  
  if (main_exit==1)  
  {  
  
    system("cls");  
    main();  
  }  
  
  else if (main_exit==0)  
  {  
    system("cls");  
    close();}  
  else  
  {printf("\nInvalid!");  
   fordelay(1000000000);  
   system("cls");  
   goto login_try;}  
  
}  
return 0;
```

```
}
```

```
int atm(){
```

```
void mainMenu();
```

```
void checkBalance(float balance);
```

```
float moneyDeposit(float balance);
```

```
float moneyWithdraw(float balance);
```

```
void menuExit();
```

```
void errorMessage();
```

```
int login(void)
```

```
{
```

```
float number = 1234;
```

```
int pass;
```

```
printf("\n\n\t\tEnter the PIN No:");
```

```
scanf("%d", &pass);
```

```
if (pass == number)
```

```
{
```

```
printf("\n\nPIN Matched!\nLOADING");
```

```
for(i=0;i<=6;i++)
```

```
{
```

```

        fordelay(100000000);

        printf(".");

    }

    system("cls");

    mainMenu();

}

else

{

    printf("Invalid\n Try Again");

    login();

}

return 0;

}

int option;

float balance = 15000.00;

int choose;

bool again = true;

login();

while (again) {

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

printf("Your Selection:\t");

scanf("%d", &option);

system("CLS");


    switch (option) {

```

```
case 1:

    checkBalance(balance);

    break;

case 2:

    balance = moneyDeposit(balance);

    break;

case 3:

    balance = moneyWithdraw(balance);

    break;


case 4:

    menuExit();

    return 0;


default:

    errorMessage();

    break;

}


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

printf("Would you like to do another transaction:\n");

printf("< 1 > Yes\n");

printf("< 2 > No\n");

scanf("%d", &choose);

system("CLS");
```

```

        if (choose == 2) {
            again = false;
            menuExit();

        }else{
            mainMenu();
        }
    }

    return 0;

}

void mainMenu() {

    printf("\n\n\t\t=====Welcome to ATM Feature=====\\n\\n");
    printf("\n\t\t----Please choose one of the options below----\\n");
    printf("\n\t\t< 1 > Check Balance\\n");
    printf("\n\t\t< 2 > Deposit\\n");
    printf("\n\t\t< 3 > Withdraw\\n");
    printf("\n\t\t< 4 > Exit\\n\\n");

```

```
}
```

```
void checkBalance(float balance) {  
    printf("You Choose to See your Balance\n");  
    printf("*****Your Available Balance is:  $%.2f\n\n", balance);
```

```
}
```

```
float moneyDeposit(float balance) {  
    float deposit;  
    printf("You choose to Deposit a money\n");  
    printf("$$$$Your Balance is: $%.2f\n\n", balance);  
    printf("*****Enter your amount to Deposit\n");  
    scanf("%f", &deposit);
```

```
    balance += deposit;
```

```
    printf("*****Your New Balance is:  $%.2f\n\n", balance);  
    return balance;
```

```
}
```

```
float moneyWithdraw(float balance) {
```

```
float withdraw;
```

```
bool back = true;
```

```
printf("You choose to Withdraw a money\n");
```

```
printf("$$$$Your Balance is: $%.2f\n\n", balance);
```

```
while (back) {
```

```
printf("Enter your amount to withdraw:\n");
```

```
scanf("%f", &withdraw);
```

```
if (withdraw < balance) {
```

```
    back = false;
```

```
    balance -= withdraw;
```

```
    printf("$$$$Your withdrawing money is: $%.2f\n", withdraw);
```

```
    printf("*****Your New Balance is: $%.2f\n\n", balance);
```

```
}
```

```
else {
```

```
    printf("+++You don't have enough money+++\\n");
```

```
    printf("Please contact to your Bank Customer Services\\n");
```

```
    printf("*****Your Balance is: $%.2f\n\n", balance);
```

```
}  
  
}  
  
return balance;  
  
  
  
}  
  
void menuExit() {  
    printf("-----Take your receipt!!!-----\n");  
    printf("----Thank you for using ATM Banking Machine!!!----\n");  
    printf("----- Brought To by code-projects.org ----- \n");  
  
}  
  
void errorMessage() {;  
    printf("+++!!!You selected invalid number!!!+++\n");  
}
```