**struct musteriVerisi{**

**int hspNo;**

**char soyisim [ 15 ];**

**char isim[ 10 ];**

**double bakiye;**

**};**

**int secimGir( void );**

**void metinDosyasi ( FILE \* );**

**void kayitGuncelle ( FILE \* );**

**void yeniKayit ( FILE \* );**

**void kayitSil ( FILE \* );**

**int main( )**

**{**

**FILE \*cfPtr;**

**int secim;**

**if ( ( cfPtr = fopen( "kredi.dat", "r +" ) ) == NULL )**

**printf( "Dosya açılamadı.\n" );**

**else {**

**while ( ( secim = secimGir( ) ) != 5 ) {**

**switch ( secim ) {**

**case 1:**

**metinDosyasi ( cfPtr );**

**break;**

**case 2:**

**kayitGuncelle( cfPtr );**

**break;**

**case 3:**

**yeniKayit( cfPtr );**

**break;**

**case 4:**

**kayitSil( cfPtr );**

**break;**

**}**

**}**

**fclose( cfPtr );**

**}**

**return 0;**

**}**

**void metinDosyasi( FILE \*okuPtr )**

**{**

**FILE \*yazPtr;**

**struct musteriVerisi musteri= { 0, "", "", 0.0 };**

**if ( (yazPtr = fopen( "hesaplar.txt", "w" ) ) == NULL )**

**printf( "Dosya açılamadı.\n" );**

**else {**

**rewind( okuPtr );**

**fprintf( yazPtr, "%-6s%-16s%-11s%10s\n",**

**"HspNo", "Soyisim", "İsim","Bakiye" );**

**while ( !feof( okuPtr ) ) {**

**fread( &musteri, sizeof( struct musteriVerisi), 1, okuPtr );**

**if ( musteri.hesapNo != 0 )**

**fprintf( yazPtr, "%-6d%-16s%-11s%10.2f\n",**

**musteri.hspNo, musteri.soyisim,**

**musteri.isim, musteri.bakiye );**

**}**

**fclose( yazPtr );**

**}**

**}**

**void kayitGuncelle ( FILE \*fPtr )**

**{**

**int hesap;**

**double guncelle;**

**struct musteriVerisi musteri = { 0, "", "", 0.0 };**

**printf( "Güncellenecek Hesap Numarasını giriniz.: ( 1 - 100 ): " );**

**scanf( "%d", &hesap);**

**fseek( fPtr, ( hesap - 1 ) \* sizeof( struct musteriVerisi ),**

**SEEK\_SET );**

**fread( &musteri, sizeof ( struct musteriVerisi ), 1, fPtr );**

**if ( musteri.hspNo== 0 )**

**printf( "Hesap#%d hakkında bilgi yok.\n", hesap);**

**else {**

**printf( "%-6d%-16s%-11s%10.2f\n\n",**

**musteri.hspNo, musteri.soyisim,**

**musteri.isim, musteri.bakiye);**

**printf( "borç ( + ) ya da ödeme ( - ) giriniz: " );**

**scanf( "%lf", &guncelle);**

**musteri.bakiye += guncelle;**

**printf( "%-6d%-16s%-11s%10.2f\n",**

**musteri.hspNo, musteri.soyisim,**

**musteri.isim, musteri.bakiye);**

**fseek( fPtr, ( hesap- 1 ) \* sizeof( struct musteriVerisi),**

**SEEK\_SET );**

**fwrite( &musteri, sizeof( struct musteriVerisi), 1, fPtr );**

**}**

**}**

**void kayitSil( FILE \*fPtr )**

**{**

**struct musteriVerisi musteri, bosMusteri= { 0, "", "", 0 };**

**int hesapNum;**

**printf( "Silinecek hesap numarasını giriniz ( 1 - 100 ): " );**

**scanf( "%d", &hesapNum);**

**fseek( fPtr, ( hesapNum - 1 ) \* sizeof( struct musteriVerisi),**

**SEEK\_SET );**

**fread( &musteri, sizeof( struct musteriVerisi), 1, fPtr );**

**if ( musteri.hspNo == 0 )**

**printf( "Hesap%d bulunamadı.\n", hesapNum);**

**else {**

**fseek( fPtr, ( hesapNum - 1 ) \* sizeof( struct musteriVerisi),**

**SEEK\_SET );**

**fwrite( &bosMusteri, sizeof( struct musteriVerisi), 1, fPtr );**

**}**

**}**

**void yeniKayit ( FILE \*fPtr )**

**{**

**struct musteriVerisi musteri= { 0, "", "", 0.0 };**

**int hesapNum;**

**printf( "Yeni hesap numarasını giriniz ( 1 - 100 ): " );**

**scanf( "%d", &hesapNum);**

**fseek( fPtr, ( hesapNum - 1 ) \* sizeof( struct musteriVerisi),**

**SEEK\_SET );**

**fread( &musteri, sizeof( struct musteriVerisi), 1, fPtr );**

**if ( musteri.hspNo!= 0 )**

**printf( "Hesap #%d zaten var.\n", musteri.hspNo);**

**else {**

**printf( "Soyisim, isim ve bakiye giriniz\n? " );**

**scanf( "%s%s%lf", &musteri.soyisim, &musteri.isim,**

**&musteri.bakiye);**

**musteri.hspNo= hesapNum;**

**fseek( fPtr, ( musteri.hspNo- 1 ) \***

**sizeof( struct musteriVerisi), SEEK\_SET );**

**fwrite( &musteri, sizeof( struct musteriVerisi), 1, fPtr );**

**}**

**}**

**int secimGir( void )**

**{**

**int menuSec;**

**printf( "\nSeçiminiz.\n"**

**"1 – Yazdırmak için\n"**

**" \"hesaplar.txt\" isminde metin dosyası oluştur\n"**

**"2 – Hesap Güncelle \n"**

**"3 – Yeni hesap oluştur \n"**

**"4 – Hesap sil \n"**

**"5 - Çıkış \n? " );**

**scanf( "%d", &menuGir);**

**return menuGir;**

**}**