

Bank management

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#include <stdio.h>

struct customer
{
    int account_no;
    char name[80];
    int balance;
};

void accept (struct customer[],
int );
void display (struct customer[],
int );
int search (struct customer[],
int , int );
void deposit (struct customer[],
int , int , int );
void withdraw(struct customer[], int , int , int );
int main()
{
    struct customer data[20];
    int n, choice, account_no, amount, index;
    printf( "Banking System\n\n" );
    printf( "Number of customer records you want to enter? : " );
    scanf("%d" , &n);
    accept(data, n);
    do
    {
        printf( "\nBanking System Menu :\n" );
        printf( "Press 1 to display all records.\n" );
        printf( "Press 2 to search a record.\n" );
        printf( "Press 3 to deposit amount.\n" );
        printf( "Press 4 to withdraw amount.\n" );
        printf( "Press 0 to exit\n" );
        printf( "\nEnter choice(0-4) : " );
        scanf("%d" , &choice);
        switch (choice)
        {
            case 1:
                display(data, n);
                break;
            case 2:
                printf( "Enter account number to search : " );
                scanf("%d" , &account_no);
                index = search(data, n, account_no);
                if (index == -
1)
                {
                    printf("Record not found : " );
                }
            else
            {
                printf( "A/c Number: %d\nName: %s\nBalance: %d\n" ,
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data[index].account_no, data[index].name,
        data[index].balance);
    }

break;
case 3:
printf( "Enter account number : " );
scanf("%d" , &account_no);

        printf( "Enter amount to deposit : " );
scanf("%d" , &amount);

        deposit(data, n, account_no, amount);

break;
case 4:
printf( "Enter account number : " );
scanf("%d" , &account_no);

        printf( "Enter amount to withdraw : " );
scanf("%d" , &amount);

        withdraw(data, n, account_no, amount);
    }
}

while (choice != 0);
return 0;
}

void accept (struct customer list[80], int s)
{
    int i;
    for (i = 0; i < s; i++)
    {
        printf( "\nEnter data for Record #d" , i + 1);
        printf( "\nEnter account_no : " );
        scanf("%d" , &list[i].account_no);

        fflush(stdin);

        printf( "Enter name : " );
        gets(list[i].name);
        list[i].balance = 0;
    } }

void display (struct customer list[80], int s)
{
    int i;
    printf( "\n\nA/c No\tName\tBalance\n" );
    for (i = 0; i < s; i++)
    {
        printf( "%d\t%s\t%d\n" , list[i].account_no, list[i].name,
                list[i].balance);
    } }

int search (struct customer list[80], int s, int number)
{
    int i;
    for (i = 0; i < s; i++)
    {
        if (list[i].account_no == number)
        {
            return i;
        }
    }
    return - 1;
}

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void deposit (struct customer list[], int s, int number, int amt)
{
    int i = search(list, s, number);
    if (i == - 1)
    {
        printf( "Record not found");
    }
    else
    {
        list[i].balance += amt;
    }
}

void withdraw(struct customer list[], int s, int number, int amt)
{
    int i = search(list, s, number);
    if (i == - 1)
    {
        printf( "Record not found\n" );
    }
    else if (list[i].balance < amt)
    {
        printf( "Insufficient balance\n" );
    }
    else
    {
        list[i].balance -= amt;
    }
}

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