#include<iostream>

using namespace std;

class bank

{

private:

int ac\_no,account;

float balance;

char name[20];

public:

void open(void);

void deposite(int);

void withdraw(int);

void search(int);

void display(void);

};

void bank::open(void)

{

cout<<"ENTER YOUR NAME : ";

cin>>name;

cout<<"ENTER YOUR ACCOUNT NUMBER : ";

cin>>account;

cout<<"ENTER THE AMOUNT OF MONEY : BDT ";

cin>>balance;

}

void bank::deposite(int j)

{

int bnc;

if(account==j)

{

cout<<"ENTER THE AMOUNT OF MONEY : BDT ";

cin>>bnc;

balance=balance+bnc;

cout<<"\n\n\tJOB HAS DONE WELL !!! \n";

}

}

void bank::withdraw(int k)

{

int blnc,p;

if(account==k)

{

cout<<"YOUR CURRENT ACCOUNT BALANCE IS BDT "<<balance<<"\n"<<"THE AMOUNT OF MONEY YOU WANT TO WITHDRAW IS BDT ";

cin>>blnc;

p=balance-blnc;

{ if(p<0)

cout<<"SORRY !!! THERE IS NOT ENOUGH MONEY IN YOUR ACCOUNT\n";

else if(p>=0)

{

cout<<"\n\tYOUR REQUEST TO WITHDRAW MONEY HAS DONE\n\n";

balance=p;

}

}

}

}

void bank::display(void)

{ cout<<"\n\nNAME : "<<name<<"\n\nACCOUNT NO. "<<account<<"\n\nBALANCE : BDT "<<balance<<"\n\n";

}

void bank::search(int m)

{

if(account==m)

{

cout<<"\n\n\*\*\*\*\*\*\*Account Holder's INFO\*\*\*\*\*\*\*";

cout<<"\n\nNAME : "<<name<<"\n\nACCOUNT NO. "<<account<<"\n\nBALANCE : BDT "<<balance<<"\n\n";

cout<<"\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n";

}

}

void main()

{

int i,j,k,m,l,y=0;

bank b[20];

int index;

cout<<"\n\n\t\t\t\t======================\n";

cout<<"\t\t\t\tBANK MANAGEMENT SYSTEM";

cout<<"\n\t\t\t\t======================\n";

cout<<"\t\t\t\t ::MAIN MENU::\n";

do

{

cout<<"\a\nPRESS 1 TO OPEN ACCOUNT\n\n"<<"PRESS 2 TO DEPOSITE AMOUNT\n\n"<<"PRESS 3 TO WITHDRAW MONEY \n\n"<<"PRESS 4 TO DISPLAY \n\n"<<"PRESS 5 TO SEARCH \n\n"<<"PRESS 6 TO EXIT \n\n\t\n";

cout<<"Your option......";

cin>>index;

switch(index)

{

case 1:

cout<<"\nHOW MANY ACCOUNT YOU WANT TO OPEN?\n"; //opening account

cin>>y;

for(i=0;i<y;i++)

b[i].open();

break;

case 2:

cout<<"\nENTER YOUR ACCOUNT NO. "; //deposite amount

cin>>j;

for(i=0;i<y;i++)

{

b[i].deposite(j);

}

break;

case 3:

cout<<"\nENTER YOUR ACCOUNT NO. "; //withdraw money

cin>>k;

for(i=0;i<y;i++)

{

b[i].withdraw(k);

}

break;

case 4:

for(i=0;i<y;i++)

{ //display option

b[i].display();

}

break;

case 5:

cout<<"\nENTER YOUR ACCOUNT NO. "; //search option

cin>>m;

for(i=0;i<y;i++)

{

b[i].search(m);

}

break;

case 6:

break;

default:cout<<"\nYOU HAVE PRESSED THE WRONG KEY. PLEASE TRY AGAIN. \n\n\n";

break;

}

} while(index!=6);

}