|  |
| --- |
| #include<iostream> |
|  | #include<string> |
|  | using namespace std; |
|  | struct bank |
|  | { |
|  | string name; |
|  | string dob; |
|  | char address[20]; |
|  | float balance; |
|  | int accnum; |
|  |  |
|  | }; |
|  |  |
|  | bank user[1000]; |
|  | int counter = 0; |
|  | int accnum=10000; |
|  |  |
|  | void menu(); |
|  | int accountNumberCheck(); |
|  | void deposit(); |
|  | void withdraw(); |
|  | void checkBalance(); |
|  | void transfer(); |
|  | void get(); |
|  |  |
|  | int main() |
|  | { |
|  |  |
|  | int choice; |
|  | bool checker = true; |
|  |  |
|  | while(checker) |
|  | { |
|  | menu(); |
|  | cout<<"enter choice "<<endl; |
|  | cin>>choice; |
|  | switch(choice) |
|  | { |
|  | case 1:get();break; |
|  | case 2:withdraw();break; |
|  | case 3:deposit();break; |
|  | case 4:checkBalance();break; |
|  | case 5:transfer();break; |
|  | case 6:checker = false;break; |
|  | default: |
|  | break; |
|  | } |
|  | } |
|  | return 0; |
|  | } |
|  | void menu() |
|  | { |
|  | cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl; |
|  | cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BANK\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl; |
|  | cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl; |
|  |  |
|  | cout<<"enter number 1-6"<<endl; |
|  | cout<<"1.creat bank account "<<endl; |
|  | cout<<"2.withdraw"<<endl; |
|  | cout<<"3.Deposit"<<endl; |
|  | cout<<"4.check balance"<<endl; |
|  | cout<<"5.transfer"<<endl; |
|  | cout<<"6.exit"<<endl; |
|  | } |
|  | void get() |
|  | { |
|  | cout<< "enter your name please"<<endl; |
|  | cin>>user[counter].name; |
|  | cout<<"enter your address please"<<endl; |
|  | cin>>user[counter].address; |
|  | cout<<"enter the initial deposite ..the min amount of money u can deposite is 50 birr"<<endl; |
|  | cin>>user[counter].balance; |
|  | while(user[counter].balance < 50) |
|  | { |
|  | cout<<"sorry,the min amout is 50 birr"<<endl; |
|  | cin >> user[counter].balance; |
|  | }; |
|  | user[counter].accnum = 10000 + counter; |
|  | counter++; |
|  | } |
|  | void transfer() |
|  | { |
|  | system("cls"); |
|  |  |
|  | int accountFrom, accountTo; |
|  | float transferredMoney; |
|  | cout << "Sender "; |
|  | accountFrom = accountNumberCheck(); |
|  | cout << "Reciever "; |
|  | accountTo = accountNumberCheck(); |
|  | cout << "Amount of money to be transferred \n"; |
|  | cin >> transferredMoney; |
|  | if(user[accountFrom].balance > transferredMoney) { |
|  | user[accountTo].balance += transferredMoney; |
|  | user[accountFrom].balance -= transferredMoney; |
|  | } |
|  | else |
|  | cout << "Insufficient balance \n"; |
|  | } |
|  | int accountNumberCheck() { |
|  | int accountNum; |
|  | cout << "Account Number: "; |
|  | cin >> accountNum; |
|  | for(int i = 0; i < counter; i++){ |
|  | if( user[i].accnum == accountNum){ |
|  | return i; |
|  | } |
|  | } |
|  | } |
|  | void deposit() |
|  | { |
|  | int num = accountNumberCheck(); |
|  | cout << "Enter deposit Money: \n"; |
|  | int depositMoney; |
|  | cin >> depositMoney; |
|  | user[num].balance += depositMoney; |
|  | } |
|  | void withdraw() |
|  | { |
|  | int num = accountNumberCheck(); |
|  | cout << "Enter deposit Money: \n"; |
|  | int depositMoney; |
|  | cin >> depositMoney; |
|  | user[num].balance -= depositMoney; |
|  | } |
|  | void checkBalance() { |
|  | system("cls"); |
|  | int accountBalanceCheck = accountNumberCheck(); |
|  | cout <<"Balance: " << user[accountBalanceCheck].balance << endl; |
|  | } |