#include<iostream>

#include<string>

#include<cstring>

#include<fstream>

using namespace std;

class Bank{

private:

string acctype;

string holder\_name;

int accno;

int balance;

public:

Bank(std::string name , std::string type , int num,int bal)

{

acctype=type;

holder\_name=name;

accno= num;

balance = bal;

}

int getAccno(){return accno; }

string getAcctype(){ return acctype;}

string getHolder\_name(){ return holder\_name;}

int getBalance(){ return balance;}

void setvalues(string name,string type,int num,int bal){

acctype=type;

holder\_name=name;

accno=num;

balance=bal;

}

protected:

void display(){

cout<<"\n Name : "<<holder\_name;

cout<<"\n Account Number : "<<accno;

cout<<"\n Account type : "<<acctype;

cout<<"\n Balance : "<<balance;

}

};

class Login{

private:

string user\_name,password;

public:

Login(string uname,string pwd)

{

user\_name=uname;

password=pwd;

}

string getUname() {return user\_name;}

string getPassword() {return password;}

void setUsername( string uname){ user\_name=uname;}

void setPassword(string pwd){ password=pwd;}

protected:

void log(){

cout<<"\nenter the user name: "<<endl;

cin>>user\_name;

if(user\_name=="Sumit"){

cout<<"\nenter the password: "<<endl;

cin>>password;

{

if(password=="123DQ0"){

cout<<"\nLogged In";

}

else{

cout<<"\n Invalide password ";

}

}

}

else{

cout<<"\n Invalide username and password"<<endl;

}

}

};

class User: public Bank,public Login{

private:

int cell\_num;

public:

User(std::string name,std::string type,int num,int bal,string uname,string pwd,int clnum):Bank(name,type,num,bal),Login(uname,pwd)

{

cell\_num=clnum;

}

int getcellnum(){ return cell\_num;}

void setcellnum(int clnum){ cell\_num=clnum;}

void dispuserdet();

};

// void setvalues(std::string name,std::string type,int num,int bal,string uname,string pwd,int clnum)

// {

// }

void User::dispuserdet(){

log();

cout<<"\ncell number "<< endl;

cin>>cell\_num;

display();

}

int main()

{

fstream f1;

f1.open("Bank.dat",ios::in|ios::app);

if(!f1){

cout<<"file not found";

}

else{

string data;

while(!f1.eof())

{

f1>>data;

cout<<data;

}

f1.close();

}

User U("Sumit","savings",0001,20000,"Sumit","123DQ0",543217);

U.dispuserdet();

return 0;

}