#ifndef ACCOUNT\_H

#define ACCOUNT\_H

class Account

{

public:

Account (double = 0);

bool credit (double);

bool debit (double);

double getBalance()

{

return balance;

}

private:

double balance;

};

#endif

#include <iostream>

#include "Account.h"

using namespace std;

Account::Account (double YuE)

{

if(YuE >=0)

balance = 0;

cout<<"Balance is setted to 0!"<<endl;

}

bool Account ::credit (double deposit)

{

cout<<"You are crediting or get interest "<<despit <<"yuan "<<endl;

if(despit>=0)

{

balance+=0;

return true;

}

else

{

cout<<"Wrong deposit!You can't deposit less than 0 yuan";

return true;

}

}

bool Account ::debit (double withdraw)

{

cout<<"You are debiting or paying the fee charged for this transaction "<<withdraw<<"yuan"<<endl;

if(withdraw >= 0 && withdaw <= balance)

{

balance-= withdraw;

return true;

}

else

{

cout<<"Debit amount exceeded account balance , or you wrongly withdraw less than 0 yuan!";

return false;

}

}

#include <iostream>

#include "Saving Account"

using namespace std;

Saving Account :: Saving Account (double YuE ,double LiLv):Account (YuE)

{

if (LiLv >=0 && LiLv <= 1)

interestrate = LiLv;

else

{

interestrate = 0;

cout<<"Unvalid input !Interestrate is setted to 0!"<<endl;

}

cout<<"saving interestrate is "<<interestrate<<endl;

}

#include <iostream>

#include "CheckingAccount.h"

using namespace std;

CheckingAccount::CheckingAccount(double YuE,double JiaoYiFei):Account(YuE)

{

if (JiaoYiFei >= 0)

feeChargeDepertransaction = JiaoYiFei;

else

{

feechargedeperansaction = 0;

cout<<"Unvalid input !"<<endl;

cout<<"Fee charged for per transaction is"<<feechargedpertransaction<<endl;

}

}

void CheckingAccount: credit (double deposit )

{

if (Account::credit(deposit)==true)

Account::debit (feeCharged pertransaction);

else

cout<<"Trade Faided"<<endl;

}

void CheckingAccount ::debit (double withdraw)

{

if (Account ::debit (withdraw)==true)

Account ::debit (feechargedpertransaction)

else

cout<<"Trade Faided"<<endl;

}