#include<iostream>

#include<string>

Using namespace std;

Class Atm

{

    Private:

    String user[100] = {“user1”,”user2”};

    String pin[100] = {“pin1”,”pin2”};

    Int acc\_bal[100] = {1000,20000,34803,22345};

    Public:

    Int userNo;

    Int login(string u , string p)

    {

        Int check = 0,len = 0;

        For(auto I : user)

        {

            Len++;

        }

        For(int I = 0 ; i<len ; i++)

        {

            If(u==user[i] && p==pin[i])

            {

                Check=1;

                userNo = I;

                break;

            }

        }

        Return check;

    }

    Int credit\_amount(int amount)

    {

        Acc\_bal[userNo] += amount;

        Return acc\_bal[userNo];

    }

    Int debit\_amount(int amount)

    {

        If((acc\_bal[userNo]-500) >= amount)

        {

            Acc\_bal[userNo] -= amount;

            Return acc\_bal[userNo];

        }

        Else

        {

            Return 0;

        }

    }

    Void balance()

    {

        Cout<<”Account balance = Rs.”<<acc\_bal[userNo]<<endl;

    }

};

Int main()

{

    String user,pin;

    Int amount,mainloop = 1;

    Char option;

    Cout<<”\*\*\*\*\*WELCOME\*\*\*\*\*”<<endl;

    Mainloop:

    Cout<<”Enter username : “;

    Cin>>user;

    Cout<<”Enter pin number : “;

    Cin>>pin;

    Atm obj;

    Int login = obj.login(user,pin);

    If(login == 1)

    {

        Int loop = 1;

        Loop1:

        Cout<<”\nCorrect pin number”<<endl;

        Cout<<”\nChoose the option:\n\t1. Credit\n\t2. Debit\n\t3. Check balance\n”;

        Cout<<”Enter the option (1/2/3): “;

        Cin>>option;

        Switch(option)

        {

            Case ‘1’:

                Loop2:

                Cout<<”\nEnter credit amount : “;

                Cin>>amount;

                If(amount>0)

                {

                    Int current\_bal = obj.credit\_amount(amount);

                    Cout<<”Amount Rs.”<<amount<<” Credited to your account”<<endl;

                    Cout<<”Account balance : Rs.”<<current\_bal<<”\n\*\*\*Thank you\*\*\*”<<endl;

                    Break;

                }

                Else

                {

                    Cout<<”Minimum required amount is Rs.1”<<endl;

                    Goto loop2;

                }

                Case ‘2’:

                    Loop3:

                    Cout<<”Enter debit amount : “;

                    Cin>>amount;

                    If(amount<50000 && amount>0)

                    {

                        Int debit = obj.debit\_amount(amount);

                        If(debit == 0)

                        {

                            Cout<<”Account balance is not sufficient”<<endl;

                            Goto loop3;

                        }

                        Else

                        {

                            Cout<<”Amount is debited from your account”<<endl;

                            Cout<<”Account balance : Rs.”<<debit<<”\nThank you”<<endl;

                            Break;

                        }

                    }

                Case ‘3’:

                    Obj.balance();

                    Cout<<”Thank you”<<endl;

                    Break;

                Default:

                    Cout<<”Wrong option”;

                    Loop++;

                    If(loop<=3)

                    {

                        Goto loop1;

                    }

                    Else

                    {

                        Break;

                    }

        }

    }

    Else

    {

        Cout<<”\nWrong pin number\n”<<endl;

        Mainloop++;

        If(mainloop<=3)

        {

            Goto mainloop;

        }

    }

}