

```

/*****
/***** Name:- Divesh Uttamchandani *****/
/***** Class :- XII A *****/
/***** Date :- 10 August 2014 *****/
/***** Q-10):- Saving And Current *****/
/*****

#include<iostream.h>
#include<conio.h>
#include<ctype.h>
#include<process.h>

////////////////////////////////Global Variable To Handle Initial a/c No////////////////////////////////
int penalty=100;
float minbal=1000;
int initacno=1000;
////////////////////////////////

////////////////////////////////
class account
{
protected:
    char nm[20];
    int acno;
    float bal;
    int cheque;
public:
    void enter()
    {
        cout<<"\nEnter name";    cin>>nm;
        cout<<"\nEnter initial balance";    cin>>bal;
        acno=initacno++;
    }
//.....//
    void display()
    {
        cout<<"\nAccount No\t"<<acno;
        cout<<"\nName\t\t"<<nm;
        cout<<"\nBalance\t"<<bal;
        cout<<"\nChequebook facility\t"<<cheque;
    }
};
////////////////////////////////
////////////////////////////////
class current:public account
{
public:
//.....//
    void enter()
    {
        account::enter();
        cheque=1;
    }
}

```

```
//.....//
void display()
{
    account::display();
}
//.....//

void deposit(int amt)
{
    bal+=amt;
    cout<<"Done";
    display();
}
//.....//

void withdraw(int amt)
{
    if(bal-amt>=0)
    {
        bal-=amt;
        cout<<"Done";
    }
    else
    {
        cout<<"Unable To Withdraw Due to In sufficient balance";
    }
    display();
}
//.....//

void check()
{
    if(bal<minbal)
    {
        cout<<"Penalty Inposed";
        bal-=penalty;
    }
    else
    {
        cout<<"Penalty Not Imposed";
    }
}
//.....//
};
////////////////////////////////////
```

[illegible]

```

//*****Void Main()*****//
void main()
{
//program shortened using only 2 objects
clrscr();

current c;
saving s;

int choice;

cout<<"\nEnter Info For Current Account\n";
c.enter();
cout<<"\nEnter Info For Savings Account\n";
s.enter();

int amt;

cout<<"\nPress Any key To Clear Screen\t";
getch();

do
{
clrscr();
cout <<"main menu"
    <<"\n1)\tDisplay Both Accounts"
    <<"\n2)\tDeposit(Current)"
    <<"\n3)\tDeposit(savings)"
    <<"\n4)\tWithdraw(current)"
    <<"\n5)\tWithdraw(savings)"
    <<"\n6)\tCompute Interest(Savings Only)"
    <<"\n7)\tCheck Min balance(Current only)"
    <<"\n8)\tExit";
cout<<"\nEnter Choice\t";   cin>>choice;

switch(choice)
{
case 1:
    cout<<"\nSavings\n";
    s.display();
    cout<<"\nCurrent\n";
    c.display();
    break;
case 2:
    cout<<"\nEnter Amt\t";      cin>>amt;
    c.deposit(amt);
    break;
case 3:
    cout<<"\nEnter Amt\t";      cin>>amt;
    s.deposit(amt);
    break;

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case 4:
    cout<<"\nEnter Amt\t";    cin>>amt;
    c.withdraw(amt);
    break;
case 5:
    cout<<"\nEnter Amt\t";    cin>>amt;
    s.withdraw(amt);
    break;
case 6:
    s.interest();
    break;
case 7:
    c.check();
    break;
case 8:
    exit(0);
}
cout<<"\nPress Y To Continue";
}while(toupper(getche())=='Y');
}
//*****End Of Main*****//
```

OUTPUT

```
Enter Info For Current Account
Enter name      Divesh
Enter initial balance  10000
Enter Info For Savings Account
Enter name      Harsh
Enter initial balance  10000
Press Any key To Clear Screen  _
```

```
main menu
1)    Display Both Accounts
2)    Deposit(Current)
3)    Deposit(savings)
4)    Withdraw(current)
5)    Withdraw(savings)
6)    Compute Interest(Savings Only)
7)    Check Min balance(Current only)
8)    Exit
Enter Choice    1

Savings

Account No      1001
Name            Harsh
Balance 10000
Chequebook facility  0
Current

Account No      1000
Name            Divesh
Balance 10000
Chequebook facility  1
Press Y To Continue
```

```
main menu
1)    Display Both Accounts
2)    Deposit(Current)
3)    Deposit(savings)
4)    Withdraw(current)
5)    Withdraw(savings)
6)    Compute Interest(Savings Only)
7)    Check Min balance(Current only)
8)    Exit
Enter Choice    3

Enter Amt      1000
Done
Account No      1001
Name            Harsh
Balance 11000
Chequebook facility  0
Press Y To Continue_
Press Y To Continue_
```

```

main menu
1)      Display Both Accounts
2)      Deposit(Current)
3)      Deposit(savings)
4)      Withdraw(current)
5)      Withdraw(savings)
6)      Compute Interest(Savings Only)
7)      Check Min balance(Current only)
8)      Exit
Enter Choice      3

Enter Amt      1000
Done
Account No      1001
Name      Harsh
Balance 11000
Chequebook facility      0
Press Y To Continue_

```

```

main menu
1)      Display Both Accounts
2)      Deposit(Current)
3)      Deposit(savings)
4)      Withdraw(current)
5)      Withdraw(savings)
6)      Compute Interest(Savings Only)
7)      Check Min balance(Current only)
8)      Exit
Enter Choice      5

Enter Amt      10001
Done
Account No      1001
Name      Harsh
Balance 999
Chequebook facility      0
Press Y To Continue

```

```

main menu
1)      Display Both Accounts
2)      Deposit(Current)
3)      Deposit(savings)
4)      Withdraw(current)
5)      Withdraw(savings)
6)      Compute Interest(Savings Only)
7)      Check Min balance(Current only)
8)      Exit
main menu
1)      Display Both Accounts
2)      Deposit(Current)
3)      Deposit(savings)
4)      Withdraw(current)
5)      Withdraw(savings)
6)      Compute Interest(Savings Only)
7)      Check Min balance(Current only)
8)      Exit
Enter Choice      6

Account No      1001
Name      harsh
Balance 1098.900024
Chequebook facility      0
Press Y To Continue_

```