Answer to Question #53346 - Programming - C++

Question
Assume that a bank maintains two kinds of accounts for customers, one called savings account and the other as current account in c++ code

Answer

```cpp
#include <iostream>
#include "math.h"
using namespace std;

class account
{
protected:
    char cname[20];
    int accno;
    char type;
    int bal;
public:
    account()
    {
        accno=0;
        type=' ';
        bal=0;
    }
    void entacc()
    { cout<<"Enter cname";cin>>cname;
        cout<<"Enter accno";cin>>accno;
        fflush(stdin);
        cout<<"Enter type"; cin>>type;
        fflush(stdin);
        cout<<"Enter bal";cin>>bal;
    }
    void dispacc()
    {
        cout<<"\n Customer Name "<<cname;
        cout<<"\n Account Number "<<accno;
        cout<<"\n Type "<<type;
        cout<<"\n Balance "<<bal;
    }
    void deposit()
    {
        int amt;
        cout<<"\n Enter the amount to deposit";
        cin>>amt;
        bal=bal+amt;
    }
};
class sav_acct:public account
```

```cpp
{
    int inter;
public:
    int comp_int()
    { int time1,rate1;
        rate1=10;
        cout<<"\n Enter time";cin>>time1;
        inter=bal*pow(1+rate1/100.0,time1)-bal;
        return inter;
    }
    void update_bal()
    {
        bal=bal+comp_int();
    }
    void withdrawal()
    {
        int amt;
        cout<<"\n Enter amont to withdrawn";
        cin>>amt;
        if(bal>=amt)
            bal=bal-amt;
        else
            cout<<"\n The amount cannot be withdrawn";
    }
};
class cur_acct:public account
{ int chq_bk;
    int penal;
public:
    int min_bal()
    { int ret1=1;
        if(bal<=500)
        {    penal=50;
            bal=bal-penal;
            ret1=0;
        }
        else
        {
            cout<<"\n No penality imposed";
        }
        return ret1;
    }
    void withdrawal()
    {
        int amt;
        cout<<"\n Enter the amount to withdrawn";
        cin>>amt;
        int k=min_bal();
        if(k==1)
        { if(bal>=amt)
            bal=bal-amt;
        else
```

```cpp
            cout<<"\n The amount cannot be withdrawn";
        }
    }
};



int main()
{

}
```