

simulate a bank account

```
using System;
```

```
public class BankAccount {  
    public static int nNextAccountNumber = 1000;  
    public int nAccountNumber;  
    public double dBalance;
```

```
    public void InitBankAccount() {  
        nAccountNumber = ++nNextAccountNumber;  
        dBalance = 0.0;  
    }
```

```
    public void Deposit(double dAmount) {  
        if (dAmount > 0.0) {  
            dBalance += dAmount;  
        }  
    }
```

```
    public double Withdraw(double dWithdrawal) {  
        if (dBalance <= dWithdrawal) { dWithdrawal = dBalance; }  
        dBalance -= dWithdrawal; return dWithdrawal; } } [/csharp]
```