

Re: How do you modify an array while iterating through it?

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2004-02/3306.html>

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"Jon Skeet [C# MVP]" <skeet@pobox.com> wrote:

- > *You can't change a list while you're iterating through it. One common*
- > *solution is to build up another list containing the items you *want* to*
- > *add to the list, and then add all of them after you've finished*
- > *iterating. (You could use `ArrayList.AddRange` for that.)*

Thanks for all your help. I see that I have not given a good enough description. It's a grouping problem. The input data is a list of accounts (identified by name) where some accounts occurs more than once. I want the accounts grouped so that the amounts are summed up. For example, this input data

```
Account 1: 2.50
Account 2: 7.00
Account 1: 1.50
Account 3: 9.00
Account 2: 3.50
Account 2: 6.00
Account 3: 3.50
Account 1: 6.50
```

shall result in these groups (each in an Account object):

```
Account 1: 10.5
Account 2: 16.5
Account 3: 12.5
```

My way of doing this is looping through the input data, account by account. If the account has already been found, I just add the amount from the current account object. If not, I add the whole object to the array. But it won't work, since I can't add items to the array while iterating through it.

Maybe I need an Accounts collection class with methods like `AccountExists()`,

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AddAccount() and UpdateAmount().

Gustaf