

✓ 100 XP

Review a solution for combining string array values as strings and as integers challenge

1 minute

The following code is one possible solution for the challenge from the previous unit.

ⓘ Note

The code samples in this exercise are designed based on en-US culture settings, and use a period (.) as the decimal separator. Building and running the code with a culture setting that uses a different decimal separators (such as a comma ,) may give unexpected results or errors. To fix this issue, replace the period decimal separators in the code samples with your local decimal separator (such as ,). Alternatively, to run a program using the en-US culture setting, add the following code to the top of your program: `using System.Globalization;` and after any other `using` statements add `CultureInfo.CurrentCulture = new CultureInfo("en-US");`.

C#

```
string[] values = { "12.3", "45", "ABC", "11", "DEF" };

decimal total = 0m;
string message = "";

foreach (var value in values)
{
    decimal number; // stores the TryParse "out" value
    if (decimal.TryParse(value, out number))
    {
        total += number;
    } else
    {
        message += value;
    }
}
```

```
Console.WriteLine($"Message: {message}");  
Console.WriteLine($"Total: {total}");
```

This code is merely "*one possible solution*" because there's likely several ways to solve this challenge. The proposed solution relies on `TryParse()`, however it's possible you have another approach that works equally well. Just make sure your result matches the following output:

Output

```
Message: ABCDEF  
Total: 68.3
```

If you were successful, congratulations!

Important

If you had trouble completing this challenge, maybe you should review the previous units before you continue on.

Next unit: Exercise - Complete a challenge to output math operations as specific number types

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