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Convert linq query to string array - C#

Ask Question

What is the most efficient way of converting a single column linq query to a string array?

14



Note - x. Word is a string

```
c# linq arrays string casting
```

edited Sep 4 '09 at 12:03

asked Sep 4 '09 at 11:54

Andrew

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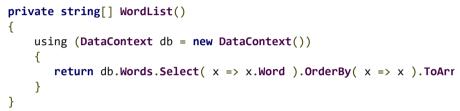
3 Answers



I prefer the lambda style, and you really ought to be disposing your data context.

32





answered Sep 4 '09 at 12:01



tvanfosson

432k 82 651 757

2 I like to give the gc a workout! - just kidding - this is a very good point. Thanks. – Andrew Sep 4 '09 at 12:07



if you type it in Lambda syntax instead you can do it a bit easier with the ToArray method:

4

```
Convert ling guery to string array - C# - Stack Overflow
 string[] list = db.Words.OrderBy(w=> w.Word).Select(w => w.Word).ToA
or even shorter:
 return db.Words.OrderBy(w => w.Word).Select(w => w.Word).ToArray();
                                           edited Sep 4 '09 at 12:17
                                           answered Sep 4 '09 at 11:56
                                                  Robban
                                                  5,968 2 29 40
   both give error - Cannot implicitly convert type 'Word[]' to 'string[]' -
    Andrew Sep 4 '09 at 12:05
    Corrected it, missed the .Word bit – Robban Sep 4 '09 at 12:17
How about:
 return list.ToArray();
This is presuming that x.word is actually a string.
Otherwise you could try:
 return list.Select(x => x.ToString()).ToArray();
```

answered Sep 4 '09 at 11:56



The first way gives this error - Cannot implicitly convert type 'AnonymousType#1[]' to 'string[]'. The second method works! Thanks! – Andrew Sep 4 '09 at 12:02

Skip the new {} in your select and you won't have to unpack the anonymous type, you'll just have a string (assuming Word is a character column). – tvanfosson Sep 4 '09 at 12:04

@tvanfosson, What does it mean to "unpack an anonymous type"? (I'm assuming an edit has been made to this answer, because I no longer see any new {} .) – kdbanman Sep 3 '15 at 15:36