

[Home](#)[PUBLIC](#)[Stack Overflow](#)[Tags](#)[Users](#)[Jobs](#)**Teams**

Q&A for work

[Learn More](#)

Add zero-padding to a string

[Ask Question](#)

How do I add "0" padding to a string so that my string length is always 4?

133

Example



19

```
If input "1", 3 padding is added = 0001
If input "25", 2 padding is added = 0025
If input "301", 1 padding is added = 0301
If input "4501", 0 padding is added = 4501
```

[c#](#)[string](#)[padding](#)

edited Oct 27 '11 at 14:26

[bluish](#)

14.5k 17 94 150

asked Jun 26 '10 at 4:14

[001](#)

21.6k 70 175 287

4 Answers

You can use [PadLeft](#)



```
var newString = Your_String.PadLeft(4, '0');
```

0 1 1

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).



97.1k 23 177 234

18 Keep in mind that `"12345".PadLeft(4, '0')` is *still* `"12345"` - it won't truncate it. This doesn't detract from this answer by the way since it meets all the specs (there's something strangely satisfying about having an answer you upvoted chosen as the accepted one (though not as satisfying as having one of your own accepted of course), sort of like your son getting into the best school), just thought I'd mention it in case it reared its ugly head sometime in the future. Cripes, I hope those parentheses are balanced :-). – [paxdiablo](#) Jun 26 '10 at 4:49

15 @paxdiablo: They were until the smiley. – [Paul Ruane](#) Aug 17 '10 at 11:07

1 `"1.2".PadRight(4, '0')` also works for zero filling a string number such as `"1.20"`. I can do this to truncate and fill a simple string number `< 10000`. `num = num.length > 4 ? num.Substring(0,4) : num.PadRight(4, '0');` – [Dan Randolph](#) Apr 14 '17 at 17:59



```
myInt.ToString("D4");
```

56



answered Jun 26 '10 at 4:20

Rex M
121k 27 258 302

9 The question is how to add padding "to a string." – [Matthew Flaschen](#) Jun 26 '10 at 4:24

10 `string.Format("{0:D4}", myInt)` – [Tonatio](#) Sep 2 '15 at 19:25



```
string strvalue="11".PadRight(4, '0');
```

24

output= 1100



```
string strvalue="301".PadRight(4, '0');
```

output= 3010

```
string strvalue="11".PadLeft(4, '0');
```

output= 0011

```
string strvalue="301".PadLeft(4, '0');
```

output= 0301

edited Feb 4 '16 at 10:48

answered Nov 1 '12 at 10:01



[Shiraj Momin](#)

427 4 6



```
"1".PadLeft(4, '0');
```

9

answered Jun 26 '10 at 4:19



[Matthew Flaschen](#)

331k 87 446 500

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).