

# If necessary, adds zeros to the beginning of a value so that the total length matches the given precision

```
//  
// (C) Copyright 2009 Irantha Suwandarathna  
(irantha@gmail.com)  
// All rights reserved.  
//  
  
/* Copyright (c) 2001-2008, The HSQL Development Group  
* All rights reserved.  
*  
* Redistribution and use _in source and binary forms, with or  
without  
* modification, are permitted provided that the following  
conditions are met:  
*  
* Redistributions of source code must retain the above  
copyright notice, this  
* list of conditions and the following disclaimer.  
*  
* Redistributions _in binary form must reproduce the above  
copyright notice,  
* this list of conditions and the following disclaimer _in the  
documentation  
* and/or other materials provided with the distribution.  
*  
* Neither the name of the HSQL Development Group nor the names  
of its  
* contributors may be used to endorse or promote products  
derived from this
```

\* software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND  
CONTRIBUTORS "AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A  
PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL HSQL DEVELOPMENT GROUP,  
HSQLDB.ORG,  
\* OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,  
INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
LIMITED TO,  
\* PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
HOWEVER CAUSED AND  
\* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT  
OF THE USE OF THIS  
\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
\*/

```
using System;  
using System.Text;  
using System.Collections.Generic;
```

```
namespace EffiProz.Core.Lib  
{
```

```
/** Provides a collection of convenience methods for  
processing and  
* creating objects with String value components.  
*  
* @author fredt@users  
* @author boucherb@users  
* @version 1.7.2
```

```
* @since 1.7.0
*/
public class StringUtil
{
/**
* If necessary, adds zeros to the beginning of a value so that
the total
* length matches the given precision, otherwise trims the
right digits.
* Then if maxSize is smaller than precision, trims the right
digits to
* maxSize. Negative values are treated as positive
*/
public static String toZeroPaddedString(long value, int
precision,
int maxSize)
{
StringBuilder sb = new StringBuilder();

if (value < 0) { value = -value; } String s =
value.ToString(); if (s.Length > precision)
{
s = s.Substring(precision);
}

for (int i = s.Length; i < precision; i++) { sb.Append('0'); }
sb.Append(s); if (maxSize < precision) { sb.Length = maxSize;
} return sb.ToString(); } } } [/csharp]
```