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 AHELP for CIAO 3.4

## stk\_expand\_n

Context: [stackio](#)

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### Synopsis

Create a numbered stack of N elements.

### Syntax

```
Stack_Type stk_expand_n( String_Type stackstring, Integer_Type N )
```

### Description

This routine creates a stack of N elements where each element is consecutively numbered from 1 to N. The stackstring argument should contain the "#" character, which will be replaced by the number 1, 2, 3, ..., N. These numbers will be padded by leading "0" characters to ensure that each string in the stack has the same length.

Note that only the first # character in stackstring will be expanded.

### Example

```
chips> stk = stk_expand_n( "spec#.pi", 11 )
chips> stk_disp( stk )
-----
Stack position: 0
Stack size: 11
Stack allocated: 11
Stack entries:
1 :spec01.pi:
2 :spec02.pi:
3 :spec03.pi:
4 :spec04.pi:
5 :spec05.pi:
6 :spec06.pi:
7 :spec07.pi:
8 :spec08.pi:
9 :spec09.pi:
10 :spec10.pi:
11 :spec11.pi:
```



## Bugs

See the [bugs page for the stackio library](#) on the CIAO website for an up-to-date listing of known bugs.

## See Also

*modules*

[stackio](#)

*stackio*

[stk\\_append](#), [stk\\_build](#), [stk\\_change\\_current](#), [stk\\_change\\_num](#), [stk\\_close](#), [stk\\_count](#), [stk\\_current](#),  
[stk\\_delete\\_current](#), [stk\\_delete\\_num](#), [stk\\_disp](#), [stk\\_read\\_next](#), [stk\\_read\\_num](#), [stk\\_rewind](#), [stk\\_set\\_current](#)

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URL:  
[http://cxc.harvard.edu/ciao3.4/stackio\\_stk\\_expand\\_n.html](http://cxc.harvard.edu/ciao3.4/stackio_stk_expand_n.html)  
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