

*AHELP for CIAO 3.4*

stk_read_next

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Synopsis

Returns the next element from a stack.

Syntax

```
String_Type stk_read_next( Stack_Type stack )
```

Description

This routine returns the next element in the stack and increases the current position by 1. If the end of the stack is reached – so that the value returned by `stk_current()` equals that returned by `stk_count()` then the pointer is not advanced and NULL is returned.

The `stk_read_num()` routine provides a means to read the the stack contents without changing the current position of the stack.

Example

The following example shows you one way to loop through all the elements in a stack. See the `ahelp` page for `stk_read_num()` for another way to do this.

```
stk_rewind( stk );
loop ( stk_count(stk) ) {
    variable elem = stk_read_next( stk );
    vmessage( "Stack: %s", elem );
}
```

CHANGES IN CIAO 3.2

The function now returns NULL when called at the end of a stack rather than causing an "Intrinsic Error".

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_expand_n](#), [stk_read_num](#), [stk_rewind](#),
[stk_set_current](#)

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URL:
http://cxc.harvard.edu/ciao3.4/stackio_stk_read_next.html
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