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*AHELP for CIAO 3.4*

## `__exit`

Context: [varmm](#)

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## Synopsis

S–Lang function to abort applications.

## Syntax

```
__exit( Integer_Type exitcode )
```

## Description

This function provides a mechanism for aborting application from within S–Lang scope (ie, function, script, etc), and to return the given status code to the operating system. Since the POSIX standard only defines positive exit codes, the behavior is undefined for negative inputs.

## Example 1

```
chips> __exit(3);  
unix% echo $?  
3
```

In this example we use the `__exit()` routine to exit ChIPS and return a non–zero status value (here the value 3).

## Example 2

In general the routine is useful in scripts that are not run interactively, rather than from the ChIPS or Sherpa command lines. In the following piece of S–Lang code, we use the `__exit()` function to stop the code if the file `img.fits` can not be read in.

```
require("varmm");  
variable dat = readfile("img.fits");  
if ( NULL == dat ) {  
    () = fprintf( stderr, "ERROR: unable to read in img.fits\n" );  
    __exit(1);  
}
```

## Bugs

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

## See Also

*modules*

[varmm](#)

*varmm*

[username](#)

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