
Subject: Problem with EXIT and garbage collection
Posted by [Michael Galloy](#) on Tue, 05 May 2015 21:06:21 GMT
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If I have a routine like this that uses garbage collection and does not explicitly free its memory:

```
pro test
  compile_opt strictarr

  o = list()
  ; obj_destroy, o

  exit, status=1
end
```

And, run it from the command line like below, I get a strange error:

```
$ idl -e test
IDL Version 8.4, Mac OS X (darwin x86_64 m64). (c) 2014, Exelis
Visual Information Solutions, Inc.
```

```
% Compiled module: TEST.
% Can't return from the main level.
% Execution halted at: $MAIN$          8
```

If I uncomment the OBJ_DESTROY, I get what I want:

```
$ idl -e test
IDL Version 8.4, Mac OS X (darwin x86_64 m64). (c) 2014, Exelis
Visual Information Solutions, Inc.
```

```
% Compiled module: TEST.
$ echo $?
1
```

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: Problem with EXIT and garbage collection
Posted by [pentead0](#) on Fri, 15 May 2015 10:41:37 GMT
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Hello,

This is very odd behavior. I can confirm it happens on IDL 8.3 and 8.4 under Linux. Also, if garbage collection is disabled, with `heap_refcount()`, the problem does not happen.

Paulo

On Tuesday, May 5, 2015 at 6:05:44 PM UTC-3, Mike Galloy wrote:

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> Mike
> --
> Michael Galloy
> www.michaelgalloy.com
> Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
```
