
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
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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Subject: Re: Problem with EXIT and garbage collection
Posted by [penteado](#) 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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>  
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>   ; obj_destroy, o  
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> If I uncomment the `OBJ_DESTROY`, I get what I want:

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> $ idl -e test  
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> 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>)