
Subject: Q: Clear everything in IDL?

Posted by [htsang](#) on Mon, 15 Sep 1997 07:00:00 GMT

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Anyone know of a way to clear everything (variables, values) in IDL?
Seems like there is no such command available.

-- Herbert

Subject: Re: Q: Clear everything in IDL?

Posted by [R. Bauer](#) on Tue, 23 Sep 1997 07:00:00 GMT

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Herbert Tsang wrote:

>

> Anyone know of a way to clear everything (variables, values) in IDL?

> Seems like there is no such command available.

>

>

-- Herbert

Yes,

This is my solution of this problem, it's a bit tricky.

The first step may be to identify which variables are defined.

```
vars=routine_names(variables=-1)
```

the next step should be to temporary each to dummy
like:

```
a=execute('dummy = temporary('+vars(i)+')')
```

but now to the routine,

it's decided as a main program or without the end at the end as
@ journal

=====

```
catch,errvar
```

```
IF errvar NE 0 THEN GOTO, help
```

```
zvars=routine_names(variables=-1)
```

```
a = n_elements(a) ; to undefine a
```

```
z = n_elements(z) ; to undefine z
```

```
zn=n_elements(zvars)-1
```

```
for z=0,zn do begin
```

```
  varvalue=routine_names(zvars(z),fetch=-1)
```

```
  IF n_elements(varvalue) GT 0 THEN begin
```

```
    exec = 'dummy = temporary('+zvars(z)+')
```

```
    print,exec
```

```
    a = execute(exec)
```

```
  ENDIF
```

```
ENDFOR
```

```
IF n_elements(exec) GT 0 THEN dummy = temporary(exec)
```

```
IF n_elements(a) GT 0 THEN dummy = temporary(a)
```

```
IF n_elements(z) GT 0 THEN dummy = temporary(z)
```

```
IF n_elements(zvars) GT 0 THEN dummy = temporary(zvars)
```

```
IF n_elements(zn) GT 0 THEN dummy = temporary(zn)
```

```
IF n_elements(varvalue) GT 0 THEN dummy = temporary(varvalue)
```

```
help: print,'all deleted'
```

```
END
```

```
=====
```

limitations:

The first time running it clears all variables.

all other runnings it will only clear previously defined / undefined variables.

WHY - I don't know!

R.Bauer

--

R.Bauer

Subject: Re: Q: Clear everything in IDL?
Posted by [R. Bauer](#) on Tue, 23 Sep 1997 07:00:00 GMT
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Herbert Tsang wrote:

Anyone know of a way to clear everything (variables, values) in IDL?
Seems like there is no such command available.

-- Herbert

I did a mistake in the previously posted version thats the new one.

Yes,

This is my solution of this problem, it's a bit tricky.

The first step may be to identify which variables are defined.

```
vars=routine_names(variables=-1)
```

the next step should be to temporary each to dummy
like:

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a=execute('dummy = temporary('+vars(i)+'')
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```
=====
```

```
catch,errvar  
IF errvar NE 0 THEN GOTO, help
```

```
zvars=routine_names(variables=-1)  
a = n_elements(a) ; to undefine a  
z = n_elements(z) ; to undefine z  
zn=n_elements(zvars)-1
```

```

for z=0,zn do begin
  varvalue=routine_names(zvars(z),fetch=-1)
  IF n_elements(varvalue) GT 0 THEN begin
    exec = 'dummy = temporary('+zvars(z)+')
    print,exec
    a = execute(exec)
  ENDIF
ENDIFOR

```

help: print,'all deleted'

```

IF n_elements(exec) GT 0 THEN dummy = temporary(exec)
IF n_elements(a) GT 0 THEN dummy = temporary(a)
IF n_elements(z) GT 0 THEN dummy = temporary(z)
IF n_elements(zvars) GT 0 THEN dummy = temporary(zvars)
IF n_elements(zn) GT 0 THEN dummy = temporary(zn)
IF n_elements(varvalue) GT 0 THEN dummy = temporary(varvalue)

```

END

=====

limitations:

The first time running it clears all variables.

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WHY - I don't know!

R.Bauer

--

R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)
 Forschungszentrum Juelich
 email: R.Bauer@fz-juelich.de