
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

--

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