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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

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