interrupt

This command is specific to...
IBM PC XT or AT compatible

keys:	[]	*<number>*	specify the interrupt number
	ax	*<number>*	specify values for registers of the same name
	bx	*<number>*	
	cx	*<number>*	
	dx	*<number>*	
	ds	*<number>*	
	es	*<number>*	
	si	*<number>*	
	di	*<number>*	

Use the **interrupt** command to access the PC interrupt mechanism directly from Semper.

The **interrupt** command should only be used when absolutely necessary, and then with extreme care. Many of the available interrupts can hang up the system or cause data loss or even ***physical damage to the hardware***. Please note that *Synoptics* cannot be held responsible for any damage caused by the use of this command.

Examples

```
interrupt 5
```

This command performs a screen dump of the current screen to the printer.

```
interrupt 0x23
```

This command simulates a user <control-break>action (an abandon request).

Description

The **interrupt** command allows you access to the underlying PC interrupt mechanism. It is useful for accessing features that are not otherwise available in Semper, but should be used with extreme caution.

You can specify a value for most registers when making the interrupt call using the keys **ax, bx, cx,** etc. Semper returns these values in corresponding variables after the call. This allows you to make calls to inquire about available hardware, for example. For further information, refer to your PC technical manual on BIOS, DOS, printer and other interrupts.

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Notes

variables set: *ax, bx, cx, dx, ds, es, si, di* (set to the returned values of the registers)
flags (set to the flag register contents on return)

see also: **ioread**, **interrupt**

Defaults and Ranges

keys/options	defaults	range
[ ]	*none*	unsigned integer in the range 0 to 255 which is a valid interrupt code (see PC hardware manual)
ax, bx, cx, dx, ds, es, si, dl	*none*	unsigned integer expressing a 16 bit value