

**NAME**

`cdb` – C debugger

**SYNOPSIS**

`cdb` [ `core` [ `a.out` ] ]

**DESCRIPTION**

*Cdb* is a debugger for use with C programs. The first argument is a core-image file; if not given, “core” is used. The second argument is the object program (containing a symbol table); if not given “a.out” is used. An acceptable core and object file must both be present.

Commands to *cdb* consist of an address, followed by a single command character. If no address is given the last-printed address is used. An address may be followed by a comma and a number, in which case the command applies to the appropriate number of successive addresses.

Addresses are expressions composed of names, decimal numbers, and octal numbers (which begin with ‘0’) and separated by ‘+’ and ‘-’. Evaluation proceeds left-to-right. The construction “name[expression]” assumes that *name* is a pointer to an integer and is equivalent to the contents of the named cell plus twice the expression.

The command characters are:

- / print the addressed words in octal.
- = print the value of the addressed expression.
- ^ print the addressed bytes as characters.
- " take the address as a pointer to a sequence of characters, and print the characters up to a null byte.
- & If there is any symbol which has the same value as the address, print the symbol’s name.
- \$ print a stack trace of the terminated program. The calls are listed in the order made; the actual arguments to each routine are given in octal.

**SEE ALSO**

`cc` (I), `db` (I), C Reference Manual

**BUGS**

It’s still very feeble, even compared with *db* (I). The stack trace is also pretty vulnerable to corruption, and often doesn’t work.