

**NAME**

sdb – SNOBOL4 debugger

**SYNOPSIS**

**sdb** *program.sno*

**DESCRIPTION**

**sdb** is a debugger for **snobol4**(1) programs, in the mold (fawning clone) of **gdb**(1), The GNU debugger. **sdb** uses **readline**(3) for command line editing/history when available.

Commands:

**break** *LABEL\_OR\_STATEMENT\_NUMBER*

Set a breakpoint

**bt**

Display call stack backtrace.

**commands** *BREAKPOINT\_NUMBER*

Add sdb commands to execute (ie; print & continue) to a breakpoint.

**condition** *BREAKPOINT\_NUMBER EXPR*

If *EXPR* is supplied, it is used as a predicate to make the breakpoint conditional.

**continue** *EMPTY\_OR\_COUNT*

Continue from breakpoint. The optional count specifies how many times to continue past this breakpoint (sets "ignore" count).

**delete** *BREAKPOINT\_NUMBER\_OR\_EMPTY*

Delete a single breakpoint, or all breakpoints.

**disable** *BREAKPOINT\_NUMBER\_OR\_EMPTY*

Temporarily disable a breakpoint, or all breakpoints.

**enable** *BREAKPOINT\_NUMBER\_OR\_EMPTY*

Reenable a breakpoint, or all breakpoints.

**finish**

Resume debugging after current function returns.

**help**

Display help.

**ignore** *BREAKPOINT\_NUMBER COUNT*

Set breakpoint ignore count.

**info**

Display list of breakpoints and their status.

**list** *EMPTY\_OR\_STATEMENT\_NUMBER*

Display source code.

**next** *EMPTY\_OR\_COUNT*

Single step execution, skipping over function calls.

**print** *EXPRESSION*

Evaluate expression and print result. Can be used to call functions, or set variables.

**quit**

Exit debugger.

**step** *EMPTY\_OR\_COUNT*

Single step.

**watch** *VARIABLE*

Set watchpoint on a variable (break when value changes).

**where**

An alias for bt.

A blank line repeats the previous command.

Non-ambiguous abbreviations of commands can be used (ie; "s", "n").

The GNU Readline library (when available) will be used for sdb input for command editing and history.

**SEE ALSO**

**snobol4(1)**, **gdb(1)**, **readline(3)**, **snobol4readline(3)**

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with techniques cribbed from someone's DDT.SNO

**BUGS**

Cannot put a breakpoint on END label.

Cannot pass arbitrary flags and arguments on the command line.