

# Perl Debugger

The Perl symbolic debugger is invoked with `perl -d`.

<p><b>h</b> Prints out a help message.</p> <p><b>T</b> Prints a stack trace.</p> <p><b>s</b> Single steps.</p> <p><b>n</b> Single steps around subroutine call.</p> <p><b>RETURN key</b> Repeats last <b>s</b> or <b>n</b>.</p> <p><b>r</b> Returns from the current subroutine.</p> <p><b>c</b> [ LINE ] Continues (until LINE, or another breakpoint, or exit).</p> <p><b>p</b> <b>EXPR</b> Prints EXPR.</p> <p><b>w</b> Lists window around current line.</p> <p><b>-</b> Lists previous window.</p> <p><b>f</b> <b>FILE</b> Switches to FILE and starts listing it.</p> <p><b>l</b> <b>SUB</b> Lists the named subroutine.</p> <p><b>S</b> List the names of all subroutines.</p> <p><b>/PATTERN/</b> Searches forward for PATTERN.</p> <p><b>?PATTERN?</b> Searches backward for PATTERN.</p>	
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**l** [ RANGE ] Lists a range of lines. RANGE may be a number, start-end, start+amount, or a subroutine name. If RANGE is omitted, lists next window.

**b** [ LINE [ CONDITION ] ] Sets breakpoint at LINE; default is the current line.

**b** SUB [ CONDITION ] Sets breakpoint at the subroutine.

**d** [ LINE ] Deletes breakpoint at the given line.

**D** Deletes all breakpoints.

**L** Lists lines that have breakpoints or actions.

**a** LINE COMMAND Sets an action for line.

**A** Deletes all line actions.

**<** COMMAND Sets an action to be executed before every debugger prompt.

**>** COMMAND Sets an action to be executed before every s, c or n command.

**V** [ PACKAGE [ VARS ] ] Lists all variables in a package. Default package is main.

**X** [ VARS ] Like V, but assumes current package.

**!** [ [-]NUMBER ] Re-executes a command. Default is the previous command.

**H** [ -NUMBER ] Displays the last -NUMBER commands of more than one letter.

**t** Toggles trace mode.

**=**[ ALIAS VALUE ] Sets alias, or lists current aliases.

**q** Quits. You may also use your EOF key character.

**COMMAND** Executes COMMAND as a Perl statement.