Stopping Again

q[uit] - Quit. Note: To quit without an 'are you sure?' prompt, use quit *unconditionally* (*q!*)

kill - Really quit. This uses *kill -9*, for situations where quit just isn't fierce enough

Essential Commands

c[ontinue] <line-number> - Carry on running until program ends, hits a breakpoint or reaches line *line-number* (if specified)

n[ext] <number> - Go to next line, stepping over function calls. If *number* specified, go forward that number of lines

s[tep] <number> - Go to next line, stepping into function calls. If *number* is specified, make that many steps

b[ack]t[race] — a.k.a. "w[here]" - Display stack trace

h[elp] <command-name> - Help. When passed the name of a command, gives help on using that command

Program Stack

b[ack]t[race] — a.k.a. "w[here]" - Display stack trace

f[rame] <frame-number> - Moves to <frame-number> (frame numbers are shown by *bt*). With no argument, shows the current frame

up <number> - Move up <number> frames (or 1, if no number specified)

Program Stack (cont)

down <number> - Move down <number> frames (or 1, if no number specified)

info args - Arguments of the current frame

info locals - Local variables in the current stack frame

info instance_variables - Instance variables in the current stack frame

info global_variables - Current global variables

info variables - Local and instance variables of the current frame

m[ethod] <class|module> - Shows instance methods of the given class or module

m[ethod] i[nstance] <object> - Shows methods of <object>

m[ethod] iv <object> - Shows instance variables of <object>

v[ar] cl[ass] - Shows class variables of self

v[ar] co[nst] <object> - Shows constants of <object>

v[ar] g[lobal] - Shows global variables (same as *info global_variables*)

v[ar] i[nstance] <object> - Shows instance variables of <object&gt (same as *method iv <object>*)

v[ar] l[ocal] - Shows local variables (same as *info locals*)

Display

e[val] — a.k.a. "p" <expression> - Evaluate <expression> and display result. By default, you can also just type the expression without any command and get the same thing (disabled by using *set noautoeval*

pp - Evaluate expression and pretty-print the result

putl - Evaluate an expression with an array result and columnize the output

ps - Evaluate an expression with an array result, sort and columnize the output

disp[lay] <expression> - Automatically display <expression> every time the program halts. With no argument, lists the current display expressions

info display - List all current display expressions

undisp[lay] <number> - Remove display expression number <number> (as listed by *info display*). With no argument, cancel all current display expressions

disable display <number> - Stop displaying expression number <number>. The display expression is kept in the list, though, and can be turned back on again using *enable display*

enable display <number> - Re-enable previously disabled display expression <number>

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Breakpoints and Catchpoints

b[reak] - Sets a breakpoint at the current line. These can be conditional: *break if foo != bar*. Keep reading for more ways to set breakpoints!

b[reak] <filename>:<line-number> - Puts a breakpoint at line-number in filename (or the current file if *filename* is blank). Again, can be conditional: *b myfile.rb:15 unless my_var.nil?*

b[reak] <class>(.|#)<method> - Puts a breakpoint at the start of the *method* in *class*. Accepts an optional condition: *b MyClass#my_method if my_boolean*

info breakpoints - List all breakpoints, with status

cond[ition] <number> <expression> - Add condition *expression* to breakpoint number-<>. If no *expression* is given, removes any conditions from that breakpoint

del[ete] <number> - Deletes breakpoint <number>. With no arguments, deletes all breakpoints

disable breakpoints <number> - Disable (but don't delete) breakpoint <number>. With no arguments, disables all breakpoints

cat[ch] <exception> off - Enable or (with *off* argument) disable catchpoint on <exception>

cat[ch] - Lists all catchpoints

cat[ch] off - Deletes all catchpoints

sk[ip] - Passes a caught exception back to the application, skipping the catchpoint.

Controlling Byebug

hist[ory] <num-commands> - view last <num-commands> byebug commands (or all, if no argument given).

save <file> - saves current byebug session options as a script file in <file>

source <file> - loads byebug options from a script file at <file>

set <option> - change value of byebug option <option>

show <option> - view current value of byebug option <option>

Source Files and Code

reload - Reload source code

info file - Information about the current source file

info files - All currently loaded files

info lines - Shows the current line number and filename

l[ist] - Shows source code after the current point. Keep reading for more list options

l[ist] – - Shows source code before the current point

l[ist] = - Shows source code centred around the current point

l[ist] <first>-<last> - Shows all source code from *<first>* to *<last>* line numbers

edit <file:lineno> - Edit *<file>*. With no arguments, edits the current file

Execution Control

c[ontinue] <line-number> - Carry on running until program ends, hits a breakpoint or reaches line *line-number* (if specified)

n[ext] <number> - Go to next line, stepping over function calls. If *number* specified, go forward that number of lines

s[tep] <number> - Go to next line, stepping into function calls. If *numberis* specified, make that many steps

fin[ish] <num-frames> - With no argument, run until the current frame returns. Otherwise, run until <num-frames> frames have returned

irb - Start an IRB session

restart - Restart the program. This also restarts byebug

Threads

th[read]	Show current thread
th[read] l[ist]	List all threads
th[read] stop <number>	Stop thread number <number>
th[read] resume <number>	Resume thread number <number>
th[read] <numbe-r>	Switch context to thread <number>

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