Perl Debugger Cheatsheet

List/search source lines

```
l [ln|sub]................List source code
- or .....................List previous/current line
v [line]..................View around line
f filename................View source in file
/pattern/ ?patt?..........Search forward/backward
M.........................Show module versions
```

Debugger controls

```
o [...]...................Set debugger options
<[<]|{[{]|>[>] [cmd].......Do pre/post-prompt
! [N|pat].................Redo a previous command
H [-num]..................Display last num commands
= [a val].................Define/list an alias
h [db_cmd]................Get help on command
h h.......................Complete help page
|[|]db_cmd................Send output to pager
q or ^D...................Quit
```

Control script execution

```
T.........................Stack trace
s [expr]..................Single step [in expr]
n [expr]..................Next, steps over subs
<CR/Enter>................Repeat last n or s
r.........................Return from subroutine
c [ln|sub]................Continue until position
L.........................List break/watch/actions
t [expr]..................Toggle trace [trace expr]
b [ln|event|sub] [cnd]....Set breakpoint
B ln|*....................Delete a/all breakpoints
a [ln] cmd................Do cmd before line
A ln|*....................Delete a/all actions
w expr....................Add a watch expression
W expr|*..................Delete a/all watch exprs
![!] syscmd...............Run cmd in a subprocess
R.........................Attempt a restart
```

Data Examination

```
expr......................Execute perl code, also see: s,n,t expr
x|m expr..................Evals expr in list context, dumps the result or lists methods.
p expr....................Print expression (uses script's current package).
S [[!]pat]................List subroutine names [not] matching pattern
V [Pk [Vars]].............List Variables in Package. Vars can be ~pattern or !pattern.
X [Vars]..................Same as "V current_package [Vars]".
i.........................class inheritance tree.
y [n [Vars]]..............List lexicals in higher scope <n>. Vars same as V.
e.........................Display thread id
E.........................Display all thread ids.
```

For more help, type h cmd_letter, or run man perldebug for all docs.