# Cheatography

## Z Shell Cheat Sheet

by the Shepster (shepster) via cheatography.com/123085/cs/23084/

### >_ Command Line

| | |
|---|---|
| ^a | Start of command line |
| ^e | End of command line |
| ^u | Delete line |
| ^k | Delete forward to end of line |
| ^w | Delete previous word |
| ^t | Swap previous and current character |

### >_ Process Manipulation

| | |
|---|---|
| ^d | Exit shell |
| ^l | Clear screen |
| ^c | Kill process |
| ^z | Suspend process |
| bg | Continue process in backgroup |
| fg | Restore process to foreground |
| ^s | Pause terminal output |
| ^q | Resume terminal output |

### Command History

| | |
|---|---|
| !! | Previous command line (i.e. !-1) |
| !*foo* | Most recent command line starting with *foo* |
| !?*foo* | Most recent command line containing *foo* |
| !* | All arguments of previous command |
| !^ | First argument of previous command |
| !$ | Last argument of previous command |

### Command History (cont)

| | |
|---|---|
| ^*foo*^*bar* | Replace *foo* with *bar* in previous command |
| !*n* | $n^{th}$ command line in history |
| !-*n* | $n^{th}$ command line from current one |

### regex Characters

| Expression | Explanation | Example | Match |
|---|---|---|---|
| \d | One digit | 1\d3 | 123 |
| \w | One character | f\wo | foo |
| \s | One space (space, tab, newline, carriage return) | abc\s123 | abc 123 |
| \D | One character NOT a digit | b\Dr | bar |
| \W | One character NOT a word character | 4\W6 | 456 |
| \S | One character NOT a space | a\Sc 1\S3 | abc 123 |
| . | Any character | a.c.1.3 | abc 123 |
| \ | Escapes a special character | \[\.*\] | [.*] |
| \t \n \r | tab, linefeed, carriage return | | |
| \r\n | Line separator on Windows | | |
| **Quantifiers** | | | |
| * | Zero or more (greedy) | fo*b* | foo |

### regex Characters (cont)

| | | | |
|---|---|---|---|
| + | One or more (greedy) | f+ | foo |
| ? | One or none (lazy) | fool? | foo |
| {3} | Exactly three time | \w{3} | foo |
| {2,4} | Two to four times (greedy) | \D{2,4} | foo |
| {2,} | Two or more times (greedy) | .{2,} | foo |
| **Logic** | | | |
| \| | OR | foo\|bar | foo |

"lazy" means match the smallest amount. "-greedy" means match the largest amount. \d+ matches x**1**23x while \d* matches x**123**x