

### Bash/ZSH Keyboard Shortcuts

<b>Tab</b>	Auto complete
<b>^a</b>	Beginning of line
<b>^e</b>	End of line
<b>^f</b>	Forward one character
<b>^b</b>	Back one character
<b>^h</b>	Delete one character (backwards)
<b>%f</b>	Forward one word
<b>%b</b>	Back one word
<b>^w</b>	Delete one word (backwards)
<b>^u</b>	Clear to beginning of line
<b>^k</b>	Clear to end of line
<b>^y</b>	Paste from Kill Ring
<b>^t</b>	Swap cursor with previous character
<b>%t</b>	Swap cursor with previous word
<b>^p</b>	Previous line in history
<b>^n</b>	Next line in history
<b>^r</b>	Search backwards in history
<b>^l</b>	Clear screen
<b>^o</b>	Execute command but keep line
<b>^z</b>	Suspend process
<b>fg</b>	restore process
<b>bg</b>	continue process in background
<b>^c</b>	Kill current process
<b>^d</b>	Exit shell

^ - Hold Control while pressing key  
% - Hold meta (alt, or command on mac)

### Bash Parameter Expansions

<b>\${parameter}</b>	Value of parameter
<b>\${parameter:-word}</b>	Use default
<b>\${parameter:=word}</b>	Assign default
<b>\${parameter:?word}</b>	Display Error
<b>\${parameter:+word}</b>	Use Alternate
<b>\${parameter:offset}</b>	Substring
<b>\${parameter:offset:length}</b>	
<b>!name[@]</b>	List Array Keys
<b> \$#parameter</b>	Parameter length
<b> \${parameter#match}</b>	Remove prefix
<b> \${parameter##match}</b>	(longest)
<b> \${parameter%match}</b>	Remove suffix
<b> \${parameter%%match}</b>	(longest)
<b> \${parameter/pattern/string}</b>	Substitution
<b> \${parameter^pattern}</b>	Uppercase match
<b> \${parameter^^pattern}</b>	Uppercase all
<b> \${parameter,pattern}</b>	Lowercase match
<b> \${parameter,,pattern}</b>	Lowercase all

### Rockstar Penguin



### Sed commands

<b>:[label]</b>	Set label
<b>Zero/One address commands</b>	
<b>=</b>	Print current line number
<b>a \</b>	Append text
<i>text</i>	(embedded newlines)
<b>Address range commands</b>	

### Sed commands (cont)

<b>b [label]</b>	Jump to label
<b>t (T) [label]</b>	Jump to label on (failed) s//
<b>c \</b>	Replace match
<i>text</i>	(Embedded newlines)
<b>d (D)</b>	Delete (to newline)
<b>h H</b>	Copy/Append pattern
<b>g G</b>	Paste/Append hold
<b>x</b>	Exchange hold/pattern
<b>n N</b>	Read/Append next line
<b>p</b>	Print pattern
<b>s/regex/replace/</b>	Substitution

### Addresses

<b>first~step</b>	Starting at first, every steph
<b>/regex/</b>	Lines matching regex
<b>addr1,+N</b>	addr1 and N following lines

### Various

<b>{c1;c2;c3;}</b>	List of commands
<b>;</b>	Separate commands

Using GNU Sed 4.2.2. Handy one-liners:  
<http://sed.sourceforge.net/sed1line.txt>

