

### >\_ Command Line

<b>^a</b>	Start of command line
<b>^e</b>	End of command line
<b>^u</b>	Delete line
<b>^k</b>	Delete forward to end of line
<b>^w</b>	Delete previous word
<b>^t</b>	Swap previous and current character

### >\_ Process Manipulation

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

### ↻ Command History

<b>!!</b>	Previous command line (i.e. !-1)
<b>!foo</b>	Most recent command line starting with <i>foo</i>
<b>!?foo</b>	Most recent command line containing <i>foo</i>
<b>!*</b>	All arguments of previous command
<b>!^</b>	First argument of previous command
<b>!\$</b>	Last argument of previous command
<b>^foo^bar</b>	Replace <i>foo</i> with <i>bar</i> in previous command
<b>!n</b>	<i>n</i> <sup>th</sup> command line in history
<b>!-n</b>	<i>n</i> <sup>th</sup> command line from current one

### regex Characters

Expression	Explan- ation	Example	Match
<b>\d</b>	One digit	1\d3	123
<b>\w</b>	One character	fwo	foo

### regex Characters (cont)

<b>\s</b>	One space (space, tab, newline, carriage return)	abc\s123	abc 123
<b>\D</b>	One character NOT a digit	b\Dr	bar
<b>\W</b>	One character NOT a word character	4\W6	456
<b>\S</b>	One character NOT a space	a\Sc	abc 123
<b>.</b>	Any character	a.c.1.3	abc 123
<b>\</b>	Escapes a special character	\\[.*]	[.*]
<b>\t \n \r</b>	tab, linefeed, carriage return		
<b>\r\n</b>	Line separator on Windows		

### Quantifiers

<b>*</b>	Zero or more (greedy)	fo <b>b</b>	foo
<b>+</b>	One or more (greedy)	f <b>+</b>	foo
<b>?</b>	One or none (lazy)	fool <b>?</b>	foo
<b>{3}</b>	Exactly three times	\w{3}	foo
<b>{2,4}</b>	Two to four times (greedy)	\D{2,4}	foo
<b>{2,}</b>	Two or more times (greedy)	.{2,}	foo

### Logic

<b> </b>	OR	foo bar	foo
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"lazy" means match the smallest amount. "-greedy" means match the largest amount.  
 \d+ matches x123x while \d\* matches x123x



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Not published yet.  
Last updated 8th August, 2020.  
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