



# Linux Academy

## Cheat Sheet

# Regular Expressions

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## Building Blocks

- **\d** • a digit
- **\D** • a non-digit
- **\s** • a whitespace
- **\S** • a non-whitespace
- **\w** • a word
- **\W** • a non-word
- **\b** • a word boundary
- **.** • any character
- **\** • Escape special char or start a sequence

## Repeated Characters or Patterns

- **?** • 0 or 1 time
- **+** • 0 or more times
- **\*** • 1 or more times
- **{#}** • # of times
- **{#,}** • # or more times
- **{,#}** • 0 to # times
- **{#, #}** • # to # of times

## Specific Possible Characters

- **[xyz]** • either x, y or z
- **[^xyz]** • Any character besides x, y, or z
- **[a-zA-Z]** • ranges of characters

## Location of Characters

- **^** • beginning of line

- **\$** • end of line
- **\A** • beginning of string
- **\z** • end of string

## Capturing

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- **(...)** • capture the pattern enclosed
- **(... | ...)** • capture either pattern enclosed

