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| **Bootstrap** | | |
| *Section* | *Class* | *Description* |
| Tables | **.active** | Adds a grey background color to the table row (<tr> or table cell (<td>) (same color used on hover) |
| Navbar | **.active** | Adds a gray background color to the active link in a default navbar. Adds a black background and a white color to the current link inside an inverted navbar. |
| List Groups | **.active** | Adds a blue background color to the active list item in a list group |
| Buttons | **.active** | Adds a blue background color to simulate a "pressed" button |
| Progress Bars | **.active** | Animates a striped progress bar |
| Dropdowns | **.active** | Adds a blue background color to the active dropdown item in a dropdown |
| Pagination | **.active** | Adds a blue background color to the active pagination link (to highlight the current page) |
| Affix | **.affix** | The Affix plugin allows an element to become affixed (locked/sticky) to an area on the page. It toggles position:fixed on and off |
| Alerts | **.alert** | Creates an alert message box |
| Alerts | **.alert-danger** | Red alert box. Indicates a dangerous or potentially negative action |
| Alerts | **.alert-dismissible** | Together with the .close class, this class is used to close the alert |
| Alerts | **.alert-info** | Light-blue alert box. Indicates some information |
| Alerts | **.alert-link** | Used on links inside alerts to add matching colored links |
| Alerts | **.alert-success** | Green alert box. Indicates a successful or positive action |
| Alerts | **.alert-warning** | Yellow alert box. Indicates caution should be taken with this action |
| Badges | **.badge** | Creates a circular badge (grey circle - often used as a numerical indicator) |
| Helpers | **.bg-danger** | Adds a red background color to an element. Represents danger or a negative action |
| Helpers | **.bg-info** | Adds a light-blue background color to an element. Represents some information |
| Helpers | **.bg-primary** | Adds a blue background color to an element. Represents something important |
| Helpers | **.bg-success** | Adds a green background color to an element. Indicates success or a positive action |
| Helpers | **.bg-warning** | Adds a yellow background color to an element. Represents a warning or a negative action |
| Pagination | **.breadcrumb** | A pagination. Indicates the current page's location within a navigational hierarchy |
| Buttons | **.btn** | Creates a basic button (gray background and rounded corners) |
| Buttons | **.btn-block** | Creates a block level button that spans the entire width of the parent element |
| Buttons | **.btn-danger** | Red button. Indicates danger or a negative action |
| Buttons | **.btn-default** | Default button. White background and grey border |
| Button Groups | **.btn-group** | Groups buttons together on a single line |
| Button Groups | **.btn-group-justified** | Makes a group of buttons span the entire width of the screen |
| Button Groups | **.btn-group-lg** | Large button group (makes all buttons in a button group larger - increased font-size and padding) |
| Button Groups | **.btn-group-sm** | Small button group (makes all buttons in a button group smaller) |
| Button Groups | **.btn-group-xs** | Extra small button group (makes all buttons in a button group extra small) |
| Button Groups | **.btn-group-vertical** | Makes a button group appear vertically stacked |
| Buttons | **.btn-info** | Light-blue button. Represents information |
| Buttons | **.btn-link** | Makes a button look like a link (get button behavior) |
| Buttons | **.btn-lg** | Large button |
| Buttons | **.btn-primary** | Blue button. |
| Buttons | **.btn-sm** | Small button |
| Buttons | **.btn-success** | Green button. Indicates success or a positive action |
| Buttons | **.btn-warning** | Yellow button. Represents warning or a negative action |
| Buttons | **.btn-xs** | Extra small button |
| Images | **.caption** | Adds a caption text inside a .thumbnail |
| Dropdowns | **.caret** | Creates a caret arrow icon , which indicates that the button is a dropdown |
| Carousel | **.carousel** | Creates a carousel (slideshow) |
| Carousel | **.carousel-caption** | Creates a caption text for each slide in the carousel |
| Carousel | **.carousel-control** | Container for next and previous links |
| Carousel | **.carousel-indicators** | Adds little dots/indicators at the bottom of each slide (which indicates how many slides there is in the carousel, and which slide the user are currently viewing) |
| Carousel | **.carousel-inner** | Container for slide items |
| Helpers | **.center-block** | Centers any element (Sets an element to display:block with margin-right:auto and margin-left:auto) |
| Inputs | **.checkbox** | Container for checkboxes |
| Inputs | **.checkbox-inline** | Makes multiple checkboxes appear on the same line |
| Helpers | **.clearfix** | Clears floats |
| Helpers | **.close** | Indicates a close icon |
| Grid | **.col-\*-\*** | Responsive grid (span 1-12 column). Extra small devices Phones (< 768px), Small devices Tablets (≥768px), Medium devices Desktops (≥992px), Large devices Desktops (≥1200px). Column values can be 1-12. |
| Grid | **.col-\*-offset-\*** | Move columns to the right. These classes increase the left margin of a column by \* columns |
| Grid | **.col-\*-pull-\*** | Changes the order of the grid columns |
| Grid | **.col-\*-push-\*** | Changes the order of the grid columns |
| Collapse | **.collapse** | Indicates collapsible content - which can be hidden or shown on demand |
| Collapse | **.collapsing** | Show the collapsible content by default |
| Containers | **.container** | Fixed width container with widths determined by screen sites. Equal margin on the left and right. |
| Containers | **.container-fluid** | A container that spans the full width of the screen |
| Forms | **.control-label** | Allows a label to be used for form validation |
| Tables | **.danger** | Adds a red background to the table row (<tr> or table cell (<td>). Indicates a dangerous or potentially negative action |
| Buttons | **.disabled** | Disables a button (adds opacity and a "no-parking-sign" icon on hover) |
| Dropdowns | **.disabled** | Disables a dropdown item (adds a grey text color and a "no-parking-sign" icon on hover) |
| Pagination | **.disabled** | Disables a pagination link (cannot be clicked - adds a grey text color and a "no-parking-sign" icon on hover) |
| List Groups | **.disabled** | Disables a list item in a list group (cannot be clicked - adds a grey background color and a "no-parking-sign" icon on hover) |
| Dropdowns | **.divider** | Used to separate links in the dropdown menu with a thin horizontal border |
| Typography | **.dl-horizontal** | Lines up the terms <dt> and descriptions <dd> in <dl>elements side-by-side. Starts off like default <dl>s, but when the browser window expands, it will line up side-by-side |
| Dropdowns | **.dropdown** | Creates a toggleable menu that allows the user to choose one value from a predefined list |
| Dropdowns | **.dropdown-header** | Used to add headers inside the dropdown menu |
| Dropdowns | **.dropdown-menu** | Adds the default styles for the dropdown menu container |
| Dropdowns | **.dropdown-menu-right** | Right-aligns a dropdown menu |
| Dropdowns | **.dropdown-toggle** | Used on the button that should hide and show (toggle) the dropdown menu |
| Dropdowns | **.dropup** | Indicates a dropup menu (upwards instead of downwards) |
| Images | **.embed-responsive** | Container for embedded content. Makes videos or slideshows scale properly on any device |
| Images | **.embed-responsive-16by9** | Container for embedded content. Creates an 16:9 aspect ratio embedded content |
| Images | **.embed-responsive-4by3** | Container for embedded content. Creates an 4:3 aspect ratio embedded content |
| Images | **.embed-responsive-item** | Used inside .embed-responsive. Scales the video nicely to the parent element |
| Alerts | **.fade** | Adds a fading effect when closing an alert box |
| Forms | **.form-control** | Used on input, textarea, and select elements to span the entire width of the page and make them responsive |
| Inputs 2 | **.form-control-feedback** | Form validation class |
| Inputs 2 | **.form-control-static** | Adds plain text next to a form label within a horizontal form |
| Forms | **.form-group** | Container for form input and label |
| Forms | **.form-inline** | Makes a <form> left-aligned with inline-block controls (This only applies to forms within viewports that are at least 768px wide) |
| Forms | **.form-horizontal** | Aligns labels and groups of form controls in a horizontal layout |
| Glyphicons | **.glyphicon** | Creates an icon. Bootstrap provides 260 free glyphicons from the Glyphicons Halflings set |
| Forms | **.has-danger** | Adds a red color to the label and a red border to the input, as well as an error icon inside the input (used together with .has-feedback) |
| Forms | **.has-feedback** | Adds feedback icons for inputs (checkmark, warning and error signs) |
| Forms | **.has-success** | Adds a green color to the label and a green border to the input, as well as a checkmark icon inside the input (used together with .has-feedback) |
| Forms | **.has-warning** | Adds a yellow/orange color to the label and a yellow/orange border to the input, as well as a checkmark icon inside the input (used together with .has-feedback) |
| Input Sizing | **.help-block** | A block of help text that breaks onto a new line and may extend beyond one line. |
| Helpers | **.hidden** | Forces an element to be hidden (display:none) |
| Helpers | **.hidden-\*** | Hides content depending on screen size |
| Helpers | **.hide** | Deprecated. Use .hidden instead |
| Typography | **.h1 - .h6** | Makes an element look like a heading of the chosen class (h1-h6) |
| Navbar | **.icon-bar** | Used in the navbar to create a hamburger menu (three horizontal bars) |
| Carousel | **.icon-next** | Unicode icon (arrow pointing right), used in carousels. This is often replaced with a glyphicon |
| Carousel | **.icon-prev** | Unicode icon (arrow pointing left), used in carousels. This is often replaced with a glyphicon |
| Images | **.img-circle** | Shapes an image to a circle (not supported in IE8 and earlier) |
| Images | **.img-responsive** | Makes an image responsive |
| Images | **.img-rounded** | Adds rounded corners to an image |
| Images | **.img-thumbnail** | Shapes an image to a thumbnail (borders) |
| Tabs | **.in** | Fades in tabs |
| Tables | **.info** | Adds a light-blue background to the table row (<tr> or table cell (<td>). Indicates a neutral informative change or action |
| Typography | **.initialism** | Displays the text inside an <abbr> element in a slightly smaller font size |
| Inputs | **.input-group** | Container to enhance an input by adding an icon, text or a button in front or behind it as a "help text" |
| Inputs | **.input-group-lg** | Large input group |
| Inputs | **.input-group-sm** | Small input group |
| Inputs | **.input-group-addon** | Together with the .input-group class, this class makes it possible to add an icon or help text next to the input field |
| Inputs | **.input-group-btn** | Together with the .input-group class, this class attaches a button next to an input. Often used as a search bar |
| Input Sizing | **.input-lg** | Large input field |
| Input Sizing | **.input-sm** | Small input field |
| Helpers | **.invisible** | Makes an element invisible (visibility:hidden). Note: Even though the element is invisible, it will take up space on the page |
| Carousel | **.item** | Class added to each carousel item. May be text or images |
| Jumbotron | **.jumbotron** | Creates a padded grey box with rounded corners that enlarges the font sizes of the text inside it. Creates a big box for calling extra attention to some special content or information |
| Labels | **.label** | Adds a grey rounded box to an element. Provides additional information about something (e.g. "New") |
| Labels | **.label-danger** | Red label |
| Labels | **.label-info** | Light-blue label |
| Labels | **.label-success** | Green label |
| Labels | **.label-warning** | Yellow label |
| Typography | **.lead** | Increase the font size and line height of a paragraph |
| Carousel | **.left** | Used to identify the left carousel control |
| List Group | **.list-group** | Creates a bordered list group for <li> elements |
| List Group | **.list-group-item** | Added to each <li> element in the list group |
| List Group | **.list-group-item-heading** | Creates a list group heading (used on other elements besides <li>) |
| List Group | **.list-group-item-text** | Used for item text inside the list group (used on other elements besides <li>) |
| List Group | **.list-group-item-danger** | Red background color for a list item in a list group |
| List Group | **.list-group-item-info** | Light-blue background color for a list item in a list group |
| List Group | **.list-group-item-success** | Green background color for a list item in a list group |
| List Group | **.list-group-item-warning** | Yellow background color for a list item in a list group |
| Tabs | **.list-inline** | Places all list items on a single line (horizontal menu) |
| Typography | **.list-unstyled** | Removes all default list-style (bullets, left margin, etc.) styling from a <ul> or <ol> list |
| Typography | **.mark** | Highlights text: Highlighted text |
| Media Objects | **.media** | Aligns media objects (like images or videos - often used for comments in a blog post etc) |
| Media Objects | **.media-body** | Text that should appear next to a media object |
| Media Objects | **.media-heading** | Creates a heading inside the media object |
| Media Objects | **.media-list** | Nested media lists |
| Media Objects | **.media-object** | Indicates a media object (image or video) |
| Modals | **.modal** | Identifies the content as a modal and brings focus to it |
| Modals | **.modal-body** | Defines the style for the body of the modal. Add any HTML markup here (p, img, etc) |
| Modals | **.modal-content** | Styles the modal (border, background-color, etc). Inside this, add the modal's header, body and footer, if needed |
| Modals | **.modal-dialog** | Sets the proper width and margin of the modal |
| Modals | **.modal-footer** | The footer of the modal (often contains an action button and a close button) |
| Modals | **.modal-header** | The header of the modal (often contains a title and a close button) |
| Modals | **.modal-lg** | Large modal (wider than default) |
| Modals | **.modal-open** | Used on the <body> element to prevent page scrolling (overflow:hidden) |
| Modals | **.modal-sm** | Small modal (less width) |
| Modals | **.modal-title** | The title of the modal |
| Tabs | **.nav nav-tabs** | Indicates a tabbed menu |
| Tabs | **.nav nav-pills** | Indicates a pill menu |
| Navbar | **.nav .navbar-nav** | Used on a <ul> container that contains the list items with links inside a navigation bar |
| Tabs | **.nav-justified** | Centers tabs/pills. Note that on screens smaller than 768px the items are stacked (content will remain centered) |
| Tabs | **.nav-stacked** | Vertically stack tabs or pills |
| Tabs | **.nav-tabs** | Creates a tabbed menu |
| Navbar | **.navbar** | Creates a navigation bar |
| Navbar | **.navbar-brand** | Added to a link or a header element inside the navbar to represent a logo or a header |
| Navbar | **.navbar-btn** | Vertically aligns a button inside a navbar |
| Navbar | **.navbar-collapse** | Collapses the navbar (hidden and replaced with a menu/hamburger icon on mobile phones and small tablets) |
| Navbar | **.navbar-default** | Creates a default navigation bar (light-grey background color) |
| Navbar | **.navbar-fixed-bottom** | Makes the navbar stay at the bottom of the screen (sticky/fixed) |
| Navbar | **.navbar-fixed-top** | Makes the navbar stay at the top of the screen (sticky/fixed) |
| Navbar | **.navbar-form** | Added to form elements inside the navbar to vertically center them (proper padding) |
| Navbar | **.navbar-header** | Added to a container element that contains the link/element that represent a logo or a header |
| Navbar | **.navbar-inverse** | Creates a black navigation bar (instead of light-grey) |
| Navbar | **.navbar-left** | Aligns nav links, forms, buttons, or text, in the navbar to the left |
| Navbar | **.navbar-link** | Styles an element to look like a link inside the navbar (anchors get proper padding and an underline on hover, while other elements like p or span gets a default hover effect - white color in an inversed navbar and a black color in a default navbar) |
| Navbar | **.navbar-nav** | Used on a <ul> container that contains the list items with links inside a navigation bar |
| Navbar | **.navbar-right** | Aligns nav links, forms, buttons, or text in the navbar to the right. |
| Navbar | **.navbar-static-top** | Removes left, top and right borders (rounded corners) from the navbar (default navbar has a gray border and a 4px border-radius by default) |
| Navbar | **.navbar-text** | Vertical align any elements inside the navbar that are not links (ensures proper padding) |
| Navbar | **.navbar-toggle** | Styles the button that should open the navbar on small screens. Often used together with three .icon-bar classes to indicate a toggleable menu icon (hamburger/bars) |
| Carousel | **.next** | Used in the carousel control to identity the next control |
| Pager | **.next** | Used to align pager buttons to the right side of the page (next button) |
| Page Header | **.page-header** | Adds a horizontal line under the heading (+ adds some extra space around the element) |
| Pager | **.pager** | Creates previous/next buttons (used on <ul> elements) |
| Pagination | **.pagination** | Creates a pagination (Useful when you have a web site with lots of pages. Used on <ul> elements) |
| Pagination | **.pagination-lg** | Large pagination (each pagination link gets a font-size of 18px. Default is 14px) |
| Pagination | **.pagination-sm** | Small pagination (each pagination link gets a font-size of 12px. Default is 14px) |
| Panels | **.panel** | Creates a bordered box with some padding around its content |
| Panels | **.panel-body** | Container for content inside the panel |
| Collapse | **.panel-collapse** | Collapsible panel (toggle between hiding and showing panel(s)) |
| Panels | **.panel-danger** | Red panel. Indicates danger |
| Panels | **.panel-info** | Light-blue panel. Indicates information |
| Panels | **.panel-success** | Green panel. Indicates success |
| Panels | **.panel-warning** | Yellow panel. Indicates warning |
| Panels | **.panel-footer** | Creates a panel footer (light background color) |
| Panels | **.panel-group** | Used to group many panels together. This removes the bottom margin below each panel |
| Panels | **.panel-heading** | Creates a panel header (light background color) |
| Panels | **.panel-title** | Used inside a .panel-heading to adjust the styling of the text (removes margins and adds a font-size of 16px) |
| Popover | **.popover** | Popup-box that appears when the user clicks on an element |
| Helpers | **.pre-scrollable** | Makes a <pre> element scrollable (max-height of 350px and provide a y-axis scrollbar) |
| Carousel | **.prev** | Used in carousels to indicate a "previous" link |
| Pager | **.previous** | Used to align pager buttons to the left side of the page (previous button) |
| Progress Bars | **.progress** | Container for progress bars |
| Progress Bars | **.progress-bar** | Creates a progress bar |
| Progress Bars | **.progress-bar-danger** | Red progress bar. Indicates danger |
| Progress Bars | **.progress-bar-info** | Light-blue progress bar. Indicates information |
| Progress Bars | **.progress-bar-striped** | Creates a striped progress bar |
| Progress Bars | **.progress-bar-success** | Green progress bar. Indicates success |
| Progress Bars | **.progress-bar-warning** | Yellow progress bar. Indicates warning |
| Helpers | **.pull-left** | Float an element to the left |
| Helpers | **.pull-right** | Float an element to the right |
| Carousel | **.right** | Used to identify the right carousel control |
| Grid | **.row** | Container for responsive columns |
| Helpers | **.show** | Shows an element (display:block) |
| Typography | **.small** | Creates a lighter, secondary text in any heading |
| Helpers | **.sr-only** | Hides an element on all devices except for screen readers |
| Helpers | **.sr-only-focusable** | Hides an element on all devices except for screen readers |
| Tables | **.success** | Adds a green background color to a table row (<tr> or table cell (<td>). Indicates success or a positive action |
| Tabs | **.tab-content** | Used together with .tab-pane to creates toggleable/dynamic tabs/pills |
| Tabs | **.tab-pane** | Used together with .tab-content to creates toggleable/dynamic tabs/pills |
| Tables | **.table** | Adds basic styling to a table (padding, bottom borders, etc) |
| Tables | **.table-bordered** | Adds borders on all sides of the table and cells |
| Tables | **.table-condensed** | Makes a table more compact by cutting cell padding in half |
| Tables | **.table-hover** | Creates a hoverable table (adds a grey background color on table rows on hover) |
| Tables | **.table-responsive** | Makes a table responsive (adds a horizontal scrollbar when needed) |
| Typography | **.text-capitalize** | Indicates capitalized text |
| Typography | **.text-center** | Center-aligns text |
| Typography | **.text-danger** | Red text color. Indicates danger |
| Typography | **.text-hide** | Hides text (helps replace an element's text content with a background image) |
| Typography | **.text-info** | Light-blue text color. Indicates information |
| Typography | **.text-justify** | Indicates justified text |
| Typography | **.text-left** | Aligns the text to the left |
| Typography | **.text-lowercase** | Changes text to lowercase |
| Typography | **.text-muted** | Grey text color |
| Typography | **.text-nowrap** | Prevents the text from wrapping |
| Typography | **.text-primary** | Blue text color |
| Typography | **.text-right** | Aligns text to the right |
| Typography | **.text-success** | Green text color. Indicates success |
| Typography | **.text-uppercase** | Makes text uppercase |
| Typography | **.text-warning** | Yellow/orange text color. Indicates warning |
| Images | **.thumbnail** | Adds a border around an element (often images or videos) to make it look like a thumbnail |
| Tooltip | **.tooltip** | Popup-box that appears when the user moves the mouse pointer over an element |
| Helpers | **.visible-\*** | Deprecated as of v3.2.0. Used to show and/or hide content by device. Note: Use .hidden-\* instead |
| Helpers | **.visible-print-block** | Displays the element (display:block) in print (pre)view |
| Helpers | **.visible-print-inline** | Displays the element (display:inline) in print (pre)view |
| Helpers | **.visible-print-inline-block** | Displays the element (display:inline-block) in print (pre)view |
| Helpers | **.hidden-print** | Hides the element (display:none) in print (pre)view |
| Tables | **.warning** | Adds a yellow background color to the table row (<tr> or table cell (<td>). Indicates a warning |
| Wells | **.well** | Adds a rounded border around an element with a gray background color and some padding |
| Wells | **.well-lg** | Large well (more padding) |
| Wells | **.well-sm** | Small well (less padding) |

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| **HTML5** | |
| Tag | Description |
| **<!--...-->** | Defines a comment |
| **<!DOCTYPE>** | Defines the document type |
| **<a>** | Defines a hyperlink |
| **<abbr>** | Defines an abbreviation or an acronym |
| **<address>** | Defines contact information for the author/owner of a document |
| **<area>** | Defines an area inside an image-map |
| **<article>** | Defines an article |
| **<aside>** | Defines content aside from the page content |
| **<audio>** | Defines sound content |
| **<b>** | Defines bold text |
| **<base>** | Specifies the base URL/target for all relative URLs in a document |
| **<bdi>** | Isolates a part of text that might be formatted in a different direction from other text outside it |
| **<bdo>** | Overrides the current text direction |
| **<blockquote>** | Defines a section that is quoted from another source |
| **<body>** | Defines the document's body |
| **<br>** | Defines a single line break |
| **<button>** | Defines a clickable button |
| **<canvas>** | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| **<caption>** | Defines a table caption |
| **<cite>** | Defines the title of a work |
| **<code>** | Defines a piece of computer code |
| **<col>** | Specifies column properties for each column within a <colgroup> element |
| **<colgroup>** | Specifies a group of one or more columns in a table for formatting |
| **<datalist>** | Specifies a list of pre-defined options for input controls |
| **<dd>** | Defines a description/value of a term in a description list |
| **<del>** | Defines text that has been deleted from a document |
| **<details>** | Defines additional details that the user can view or hide |
| **<dfn>** | Represents the defining instance of a term |
| **<dialog>** | Defines a dialog box or window |
| **<div>** | Defines a section in a document |
| **<dl>** | Defines a description list |
| **<dt>** | Defines a term/name in a description list |
| **<em>** | Defines emphasized text |
| **<embed>** | Defines a container for an external (non-HTML) application |
| **<fieldset>** | Groups related elements in a form |
| **<figcaption>** | Defines a caption for a <figure> element |
| **<figure>** | Specifies self-contained content |
| **<footer>** | Defines a footer for a document or section |
| **<form>** | Defines an HTML form for user input |
| **<h1> to <h6>** | Defines HTML headings |
| **<head>** | Defines information about the document |
| **<header>** | Defines a header for a document or section |
| **<hr>** | Defines a thematic change in the content |
| **<html>** | Defines the root of an HTML document |
| **<i>** | Defines a part of text in an alternate voice or mood |
| **<iframe>** | Defines an inline frame |
| **<img>** | Defines an image |
| **<input>** | Defines an input control |
| **<ins>** | Defines a text that has been inserted into a document |
| **<kbd>** | Defines keyboard input |
| **<label>** | Defines a label for an <input> element |
| **<legend>** | Defines a caption for a <fieldset> element |
| **<li>** | Defines a list item |
| **<link>** | Defines the relationship between a document and an external resource (most used to link to style sheets) |
| **<main>** | Specifies the main content of a document |
| **<map>** | Defines a client-side image-map |
| **<mark>** | Defines marked/highlighted text |
| **<menu>** | Defines a list/menu of commands |
| **<menuitem>** | Defines a command/menu item that the user can invoke from a popup menu |
| **<meta>** | Defines metadata about an HTML document |
| **<meter>** | Defines a scalar measurement within a known range (a gauge) |
| **<nav>** | Defines navigation links |
| **<noscript>** | Defines an alternate content for users that do not support client-side scripts |
| **<object>** | Defines an embedded object |
| **<ol>** | Defines an ordered list |
| **<optgroup>** | Defines a group of related options in a drop-down list |
| **<option>** | Defines an option in a drop-down list |
| **<output>** | Defines the result of a calculation |
| **<p>** | Defines a paragraph |
| **<param>** | Defines a parameter for an object |
| **<picture>** | Defines a container for multiple image resources |
| **<pre>** | Defines preformatted text |
| **<progress>** | Represents the progress of a task |
| **<q>** | Defines a short quotation |
| **<rp>** | Defines what to show in browsers that do not support ruby annotations |
| **<rt>** | Defines an explanation/pronunciation of characters (for East Asian typography) |
| **<ruby>** | Defines a ruby annotation (for East Asian typography) |
| **<s>** | Defines text that is no longer correct |
| **<samp>** | Defines sample output from a computer program |
| **<script>** | Defines a client-side script |
| **<section>** | Defines a section in a document |
| **<select>** | Defines a drop-down list |
| **<small>** | Defines smaller text |
| **<source>** | Defines multiple media resources for media elements (<video> and <audio>) |
| **<span>** | Defines a section in a document |
| **<strong>** | Defines important text |
| **<style>** | Defines style information for a document |
| **<sub>** | Defines subscripted text |
| **<summary>** | Defines a visible heading for a <details> element |
| **<sup>** | Defines superscripted text |
| **<svg>** | Defines a container for SVG graphics |
| **<table>** | Defines a table |
| **<tbody>** | Groups the body content in a table |
| **<td>** | Defines a cell in a table |
| **<template>** | Defines a template |
| **<textarea>** | Defines a multiline input control (text area) |
| **<tfoot>** | Groups the footer content in a table |
| **<th>** | Defines a header cell in a table |
| **<thead>** | Groups the header content in a table |
| **<time>** | Defines a date/time |
| **<title>** | Defines a title for the document |
| **<tr>** | Defines a row in a table |
| **<track>** | Defines text tracks for media elements (<video> and <audio>) |
| **<u>** | Defines text that should be stylistically different from normal text |
| **<ul>** | Defines an unordered list |
| **<var>** | Defines a variable |
| **<video>** | Defines a video or movie |
| **<wbr>** | Defines a possible line-break |

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| --- | --- |
| **CSS3** | |
| **align-content** | Specifies the alignment between the lines inside a flexible container when the items do not use all available space |
| **align-items** | Specifies the alignment for items inside a flexible container |
| **align-self** | Specifies the alignment for selected items inside a flexible container |
| **all** | Resets all properties (except unicode-bidi and direction) |
| **animation** | A shorthand property for all the animation properties |
| **animation-delay** | Specifies a delay for the start of an animation |
| **animation-direction** | Specifies whether an animation should be played forwards, backwards or in alternate cycles |
| **animation-duration** | Specifies how long an animation should take to complete one cycle |
| **animation-fill-mode** | Specifies a style for the element when the animation is not playing (before it starts, after it ends, or both) |
| **animation-iteration-count** | Specifies the number of times an animation should be played |
| **animation-name** | Specifies a name for the @keyframes animation |
| **animation-play-state** | Specifies whether the animation is running or paused |
| **animation-timing-function** | Specifies the speed curve of an animation |
| **backface-visibility** | Defines whether or not the back face of an element should be visible when facing the user |
| **background** | A shorthand property for setting all the background properties in one declaration |
| **background-attachment** | Sets whether a background image scrolls with the rest of the page, or is fixed |
| **background-blend-mode** | Specifies the blending mode of each background layer (color/image) |
| **background-clip** | Defines how far the background (color or image) should extend within an element |
| **background-color** | Specifies the background color of an element |
| **background-image** | Specifies one or more background images for an element |
| **background-origin** | Specifies the origin position of a background image |
| **background-position** | Specifies the position of a background image |
| **background-repeat** | Sets if/how a background image will be repeated |
| **background-size** | Specifies the size of the background images |
| **border** | A shorthand property for border-width, border-style and border-color |
| **border-bottom** | A shorthand property for setting all the bottom border properties in one declaration |
| **border-bottom-color** | Sets the color of the bottom border |
| **border-bottom-left-radius** | Defines the radius of the border of the bottom-left corner |
| **border-bottom-right-radius** | Defines the radius of the border of the bottom-right corner |
| **border-bottom-style** | Sets the style of the bottom border |
| **border-bottom-width** | Sets the width of the bottom border |
| **border-collapse** | Sets whether table borders should collapse into a single border or be separated |
| **border-color** | Sets the color of the four borders |
| **border-image** | A shorthand property for setting all the border-image-\* properties |
| **border-image-outset** | Specifies the amount by which the border image area extends beyond the border box |
| **border-image-repeat** | Specifies whether the border image should be repeated, rounded or stretched |
| **border-image-slice** | Specifies how to slice the border image |
| **border-image-source** | Specifies the path to the image to be used as a border |
| **border-image-width** | Specifies the width of the border image |
| **border-left** | A shorthand property for setting all the left border properties in one declaration |
| **border-left-color** | Sets the color of the left border |
| **border-left-style** | Sets the style of the left border |
| **border-left-width** | Sets the width of the left border |
| **border-radius** | A shorthand property for setting all the four border-\*-radius properties |
| **border-right** | A shorthand property for setting all the right border properties in one declaration |
| **border-right-color** | Sets the color of the right border |
| **border-right-style** | Sets the style of the right border |
| **border-right-width** | Sets the width of the right border |
| **border-spacing** | Sets the distance between the borders of adjacent cells |
| **border-style** | Sets the style of the four borders |
| **border-top** | A shorthand property for setting all the top border properties in one declaration |
| **border-top-color** | Sets the color of the top border |
| **border-top-left-radius** | Defines the radius of the border of the top-left corner |
| **border-top-right-radius** | Defines the radius of the border of the top-right corner |
| **border-top-style** | Sets the style of the top border |
| **border-top-width** | Sets the width of the top border |
| **border-width** | Sets the width of the four borders |
| **bottom** | Sets the elements position, from the bottom of its parent element |
| **box-decoration-break** | Sets the behavior of the background and border of an element at page-break, or, for in-line elements, at line-break. |
| **box-shadow** | Attaches one or more shadows to an element |
| **box-sizing** | Defines how the width and height of an element are calculated: should they include padding and borders, or not |
| **break-after** | Specifies the page-, column-, or region-break behavior after the generated box |
| **break-before** | Specifies the page-, column-, or region-break behavior before the generated box |
| **break-inside** | Specifies the page-, column-, or region-break behavior inside the generated box |
| **caption-side** | Specifies the placement of a table caption |
| **caret-color** | Specifies the color of the cursor (caret) in inputs, textareas, or any element that is editable |
| **@charset** | Specifies the character encoding used in the style sheet |
| **clear** | Specifies on which sides of an element floating elements are not allowed to float |
| **clip** | Clips an absolutely positioned element |
| **color** | Sets the color of text |
| **column-count** | Specifies the number of columns an element should be divided into |
| **column-fill** | Specifies how to fill columns, balanced or not |
| **column-gap** | Specifies the gap between the columns |
| **column-rule** | A shorthand property for setting all the column-rule-\* properties |
| **column-rule-color** | Specifies the color of the rule between columns |
| **column-rule-style** | Specifies the style of the rule between columns |
| **column-rule-width** | Specifies the width of the rule between columns |
| **column-span** | Specifies how many columns an element should span across |
| **column-width** | Specifies the column width |
| **columns** | A shorthand property for setting column-width and column-count |
| **content** | Used with the :before and :after pseudo-elements, to insert generated content |
| **counter-increment** | Increases or decreases the value of one or more CSS counters |
| **counter-reset** | Creates or resets one or more CSS counters |
| **cursor** | Specifies the mouse cursor to be displayed when pointing over an element |
| **direction** | Specifies the text direction/writing direction |
| **display** | Specifies how a certain HTML element should be displayed |
| **empty-cells** | Specifies whether or not to display borders and background on empty cells in a table |
| **filter** | Defines effects (e.g. blurring or color shifting) on an element before the element is displayed |
| **flex** | A shorthand property for the flex-grow, flex-shrink, and the flex-basis properties |
| **flex-basis** | Specifies the initial length of a flexible item |
| **flex-direction** | Specifies the direction of the flexible items |
| **flex-flow** | A shorthand property for the flex-direction and the flex-wrap properties |
| **flex-grow** | Specifies how much the item will grow relative to the rest |
| **flex-shrink** | Specifies how the item will shrink relative to the rest |
| **flex-wrap** | Specifies whether the flexible items should wrap or not |
| **float** | Specifies whether or not a box should float |
| **font** | Sets all the font properties in one declaration |
| **@font-face** | A rule that allows websites to download and use fonts other than the "web-safe" fonts |
| **font-family** | Specifies the font family for text |
| **font-feature-settings** | Allows control over advanced typographic features in OpenType fonts |
| **@font-feature-values** | Allows authors to use a common name in font-variant-alternate for feature activated differently in OpenType |
| **font-kerning** | Controls the usage of the kerning information (how letters are spaced) |
| **font-language-override** | Controls the usage of language-specific glyphs in a typeface |
| **font-size** | Specifies the font size of text |
| **font-size-adjust** | Preserves the readability of text when font fallback occurs |
| **font-stretch** | Selects a normal, condensed, or expanded face from a font family |
| **font-style** | Specifies the font style for text |
| **font-synthesis** | Controls which missing typefaces (bold or italic) may be synthesized by the browser |
| **font-variant** | Specifies whether or not a text should be displayed in a small-caps font |
| **font-variant-alternates** | Controls the usage of alternate glyphs associated to alternative names defined in @font-feature-values |
| **font-variant-caps** | Controls the usage of alternate glyphs for capital letters |
| **font-variant-east-asian** | Controls the usage of alternate glyphs for East Asian scripts (e.g Japanese and Chinese) |
| **font-variant-ligatures** | Controls which ligatures and contextual forms are used in textual content of the elements it applies to |
| **font-variant-numeric** | Controls the usage of alternate glyphs for numbers, fractions, and ordinal markers |
| **font-variant-position** | Controls the usage of alternate glyphs of smaller size positioned as superscript or subscript regarding the baseline of the font |
| **font-weight** | Specifies the weight of a font |
| **grid** | A shorthand property |
| **grid-area** | Either specifies a name for the grid item, or this property is a shorthand property for the grid-row-start, grid-column-start, grid-row-end, and grid-column-endproperties |
| **grid-auto-columns** | Specifies a default column size |
| **grid-auto-flow** | Specifies how auto-placed items are inserted in the grid |
| **grid-auto-rows** | Specifies a default row size |
| **grid-column** | A shorthand property for the grid-column-start and the grid-column-endproperties |
| **grid-column-end** | Specifies where to end the grid item |
| **grid-column-gap** | Specifies the size of the gap between columns |
| **grid-column-start** | Specifies where to start the grid item |
| **grid-gap** | A shorthand property for the grid-row-gap and grid-column-gap properties |
| **grid-row** | A shorthand property for the grid-row-start and the grid-row-end properties |
| **grid-row-end** | Specifies where to end the grid item |
| **grid-row-gap** | Specifies the size of the gap between rows |
| **grid-row-start** | Specifies where to start the grid item |
| **grid-template** | A shorthand property for the grid-template-rows, grid-template-columns and grid-areas properties |
| **grid-template-areas** | Specifies how to display columns and rows, using named grid items |
| **grid-template-columns** | Specifies the size of the columns, and how many columns in a grid layout |
| **grid-template-rows** | Specifies the size of the rows in a grid layout |
| **hanging-punctuation** | Specifies whether a punctuation character may be placed outside the line box |
| **height** | Sets the height of an element |
| **hyphens** | Sets how to split words to improve the layout of paragraphs |
| **image-orientation** | Specifies a rotation in the right or clockwise direction that a user agent applies to an image (This property is likely going to be deprecated and its functionality moved to HTML) |
| **image-rendering** | Gives a hint to the browser about what aspects of an image are most important to preserve when the image is scaled |
| **image-resolution** | Specifies the intrinsic resolution of all raster images used in/on the element |
| **@import** | Allows you to import a style sheet into another style sheet |
| **justify-content** | Specifies the alignment between the items inside a flexible container when the items do not use all available space |
| **@keyframes** | Specifies the animation code |
| **left** | Specifies the left position of a positioned element |
| **letter-spacing** | Increases or decreases the space between characters in a text |
| **line-break** | Specifies how/if to break lines |
| **line-height** | Sets the line height |
| **list-style** | Sets all the properties for a list in one declaration |
| **list-style-image** | Specifies an image as the list-item marker |
| **list-style-position** | Specifies the position of the list-item markers (bullet points) |
| **list-style-type** | Specifies the type of list-item marker |
| **margin** | Sets all the margin properties in one declaration |
| **margin-bottom** | Sets the bottom margin of an element |
| **margin-left** | Sets the left margin of an element |
| **margin-right** | Sets the right margin of an element |
| **margin-top** | Sets the top margin of an element |
| **max-height** | Sets the maximum height of an element |
| **max-width** | Sets the maximum width of an element |
| **@media** | Sets the style rules for different media types/devices/sizes |
| **min-height** | Sets the minimum height of an element |
| **min-width** | Sets the minimum width of an element |
| **object-fit** | Specifies how the contents of a replaced element should be fitted to the box established by its used height and width |
| **object-position** | Specifies the alignment of the replaced element inside its box |
| **opacity** | Sets the opacity level for an element |
| **order** | Sets the order of the flexible item, relative to the rest |
| **orphans** | Sets the minimum number of lines that must be left at the bottom of a page when a page break occurs inside an element |
| **outline** | Sets all the outline properties in one declaration |
| **outline-color** | Sets the color of an outline |
| **outline-offset** | Offsets an outline, and draws it beyond the border edge |
| **outline-style** | Sets the style of an outline |
| **outline-width** | Sets the width of an outline |
| **overflow** | Specifies what happens if content overflows an element's box |
| **overflow-wrap** | Specifies whether or not the browser may break lines within words in order to prevent overflow (when a string is too long to fit its containing box) |
| **overflow-x** | Specifies whether or not to clip the left/right edges of the content, if it overflows the element's content area |
| **overflow-y** | Specifies whether or not to clip the top/bottom edges of the content, if it overflows the element's content area |
| **padding** | Sets all the padding properties in one declaration |
| **padding-bottom** | Sets the bottom padding of an element |
| **padding-left** | Sets the left padding of an element |
| **padding-right** | Sets the right padding of an element |
| **padding-top** | Sets the top padding of an element |
| **page-break-after** | Sets the page-breake behavior after an element |
| **page-break-before** | Sets the page-breake behavior before an element |
| **page-break-inside** | Sets the page-breake behavior inside an element |
| **perspective** | Gives a 3D-positioned element some perspective |
| **perspective-origin** | Defines at which position the user is looking at the 3D-positioned element |
| **pointer-events** | Defines whether or not an element reacts to pointer events |
| **position** | Specifies the type of positioning method used for an element (static, relative, absolute or fixed) |
| **quotes** | Sets the type of quotation marks for embedded quotations |
| **resize** | Defines if (and how) an element is resizable by the user |
| **right** | Specifies the right position of a positioned element |
| **tab-size** | Specifies the width of a tab character |
| **table-layout** | Defines the algorithm used to lay out table cells, rows, and columns |
| **text-align** | Specifies the horizontal alignment of text |
| **text-align-last** | Describes how the last line of a block or a line right before a forced line break is aligned when text-align is "justify" |
| **text-combine-upright** | Specifies the combination of multiple characters into the space of a single character |
| **text-decoration** | Specifies the decoration added to text |
| **text-decoration-color** | Specifies the color of the text-decoration |
| **text-decoration-line** | Specifies the type of line in a text-decoration |
| **text-decoration-style** | Specifies the style of the line in a text decoration |
| **text-indent** | Specifies the indentation of the first line in a text-block |
| **text-justify** | Specifies the justification method used when text-align is "justify" |
| **text-orientation** | Defines the orientation of the text in a line |
| **text-overflow** | Specifies what should happen when text overflows the containing element |
| **text-shadow** | Adds shadow to text |
| **text-transform** | Controls the capitalization of text |
| **text-underline-position** | Specifies the position of the underline which is set using the text-decoration property |
| **top** | Specifies the top position of a positioned element |
| **transform** | Applies a 2D or 3D transformation to an element |
| **transform-origin** | Allows you to change the position on transformed elements |
| **transform-style** | Specifies how nested elements are rendered in 3D space |
| **transition** | A shorthand property for setting the four transition properties |
| **transition-delay** | Specifies when the transition effect will start |
| **transition-duration** | Specifies how many seconds or milliseconds a transition effect takes to complete |
| **transition-property** | Specifies the name of the CSS property the transition effect is for |
| **transition-timing-function** | Specifies the speed curve of the transition effect |
| **unicode-bidi** | Used together with the direction property to set or return whether the text should be overridden to support multiple languages in the same document |
| **user-select** | Specifies whether the text of an element can be selected |
| **vertical-align** | Sets the vertical alignment of an element |
| **Visibility** | Specifies whether or not an element is visible |
| **white-space** | Specifies how white-space inside an element is handled |
| **widows** | Sets the minimum number of lines that must be left at the top of a page when a page break occurs inside an element |
| **width** | Sets the width of an element |
| **word-break** | Specifies line breaking rules for non-CJK scripts |
| **word-spacing** | Increases or decreases the space between words in a text |
| **word-wrap** | Allows long, unbreakable words to be broken and wrap to the next line |
| **z-index** | Sets the stack order of a positioned element |

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| **Animate.CSS**  *Remember to write “animated” in front of the class names* | | | |
| bounce | flash | pulse | rubberBand |
| shake | headShake | swing | tada |
| wobble | jello | bounceIn | bounceInDown |
| bounceInLeft | bounceInRight | bounceInUp | bounceOut |
| bounceOutDown | bounceOutLeft | bounceOutRight | bounceOutUp |
| fadeIn | fadeInDown | fadeInDownBig | fadeInLeft |
| fadeInLeftBig | fadeInRight | fadeInRightBig | fadeInUp |
| fadeInUpBig | fadeOut | fadeOutDown | fadeOutDownBig |
| fadeOutLeft | fadeOutLeftBig | fadeOutRight | fadeOutRightBig |
| fadeOutUp | fadeOutUpBig | flipInX | flipInY |
| flipOutX | flipOutY | lightSpeedIn | lightSpeedOut |
| rotateIn | rotateInDownLeft | rotateInDownRight | rotateInUpLeft |
| rotateInUpRight | rotateOut | rotateOutDownLeft | rotateOutDownRight |
| rotateOutUpLeft | rotateOutUpRight | hinge | jackInTheBox |
| rollIn | rollOut | zoomIn | zoomInDown |
| zoomInLeft | zoomInRight | zoomInUp | zoomOut |
| zoomOutDown | zoomOutLeft | zoomOutRight | zoomOutUp |
| slideInDown | slideInLeft | slideInRight | slideInUp |
| slideOutDown | slideOutLeft | slideOutRight | slideOutUp |

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| Image result for git logo  GIT | |
| ***CONFIGURE TOOLING***  *Configure user information for all local repositories* | |
| **$ git config --global user.name "[name]"** | Sets the name you want attached to your commit transactions |
| **$ git config --global user.email "[email address]"** | Sets the email you want attached to your commit transactions |
| **$ git config --global color.ui auto** | Enables helpful colorization of command line output |
| ***CREATE REPOSITORIES***  *Start a new repository or obtain one from an existing URL* | |
| **$ git init [project-name]** | Creates a new local repository with the specified name |
| **$ git clone [url]** | Downloads a project and its entire version history |
| ***MAKE CHANGES***  *Review edits and craft a commit transaction* | |
| **$ git status** | Lists all new or modified files to be committed |
| **$ git add [file]** | Snapshots the file in preparation for versioning |
| **$ git reset [file]** | Unstages the file, but preserve its contents |
| **$ git diff** | Shows file differences not yet staged |
| **$ git diff –staged** | Shows file differences between staging and the last file version |
| **$ git commit -m "[descriptive message]"** | Records file snapshots permanently in version history |
| ***GROUP CHANGES***  *Name a series of commits and combine completed efforts* | |
| **$ git branch** | Lists all local branches in the current repository |
| **$ git branch [branch-name]** | Creates a new branch |
| **$ git checkout [branch-name]** | Switches to the specified branch and updates the working directory |
| **$ git merge [branch]** | Combines the specified branch’s history into the current branch |
| **$ git branch -d [branch-name]** | Deletes the specified branch |
| ***REFACTOR FILENAMES***  *Relocate and remove versioned files* | |
| **$ git rm [file]** | Deletes the file from the working directory and stages the deletion |
| **$ git rm --cached [file]** | Removes the file from version control but preserves the file locally |
| **$ git mv [file-original] [file-renamed]** | Changes the file name and prepares it for commit |
| ***SUPPRESS TRACKING***  *Exclude temporary files and paths* | |
| **\*.log**  **build/**  **temp-\*** |  |
| A text file named .gitignore suppresses accidental versioning of files and paths matching the specified patterns |
| **$ git ls-files --other --ignored --exclude-standard** | Lists all ignored files in this project |
| ***SAVE FRAGMENTS***  *Shelve and restore incomplete changes* | |
| **$ git stash** | Temporarily stores all modified tracked files |
| **$ git stash list** | Lists all stashed changesets |
| **$ git stash pop** | Restores the most recently stashed files |
| **$ git stash drop** | Discards the most recently stashed changeset |
| ***REVIEW HISTORY***  *Browse and inspect the evolution of project files* | |
| **$ git log** | Lists version history for the current branch |
| **$ git log --follow [file]** | Lists version history for a file, including renames |
| **$ git diff [first-branch]...[second-branch]** | Shows content differences between two branches |
| **$ git show [commit]** | Outputs metadata and content changes of the specified commit |
| ***REDO COMMITS***  *Erase mistakes and craft replacement history* | |
| **$ git reset [commit]** | Undoes all commits after [commit] , preserving changes locally |
| **$ git reset --hard [commit]** | Discards all history and changes back to the specified commit |
| ***SYNCHRONIZE CHANGES***  *Register a repository bookmark and exchange version history* | |
| **$ git fetch [bookmark]** | Downloads all history from the repository bookmark |
| **$ git merge [bookmark]/[branch]** | Combines bookmark’s branch into current local branch |
| **$ git push [alias] [branch]** | Uploads all local branch commits to GitHub |
| **$ git pull** | Downloads bookmark history and incorporates changes |

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| **RE. Module** | | | | | | | | |
| **Characters I** | | | | | | | | |
| **.** | Match any character except newline | | | | | | | |
| **^** | Match the start of the string | | | | | | | |
| **$** | Match the end of the string | | | | | | | |
| **\*** | Match 0 or more repetitions | | | | | | | |
| **+** | Match 1 or more repetitions | | | | | | | |
| **?** | Match 0 or 1 repetitions | | | | | | | |
| **Special Sequences I** | | | | | | | | |
| **\A** | | | Match only at start of string | | | | | |
| **\b** | | | Match empty string, only at beginning or end of a word | | | | | |
| **\B** | | | Match empty string, only when it is not at beginning or end of word | | | | | |
| **\d** | | | Match digits # same as [0-9] | | | | | |
| **\D** | | | Match any non digit # same as [^0-9] | | | | | |
| **Characters II** | | | | | | | | |
| **\*?** | | | | | Match 0 or more repetitions non-greedy | | | |
| **+?** | | | | | Match 1 or more repeitions non-greedy | | | |
| **??** | | | | | Match 0 or 1 repetitions non-greedy | | | |
| **\** | | | | | Escape special characters | | | |
| **[]** | | | | | Match a set of characters | | | |
| **[a-z]** | | | | | Match any lowercase ASCII letter | | | |
| **[lower-upper]** | | | | | Match a set of characters from lower to upper | | | |
| **[^]** | | | | | Match characters NOT in a set | | | |
| **A|B** | | | | | Match either A or B regular expressions (non-greedy) | | | |
| **Special Sequences II** | | | | | | | | |
| **\s** | | | Match whitespace characters # same as [ \t\n\r\f\v] | | | | | |
| **\S** | | | Match non whitespace characters #same as [^ \t\n\r\f\v] | | | | | |
| **\w** | | | Match unicode word characters # same as [a-zA-Z0-9\_] | | | | | |
| **\W** | | | Match any character not a Unicode word character # same as [^a-zA-Z0-9\_] | | | | | |
| **\Z** | | | Match only at end of string | | | | | |
| **Characters III** | | | | | | | | |
| **{m}** | | | | Match exactly m copies | | | | |
| **{m,n}** | | | | Match from m to n repetitions | | | | |
| **{,n}** | | | | Match from 0 to n repetitions | | | | |
| **{m,}** | | | | Match from m to infinite repetitions | | | | |
| **{m,n}?** | | | | Match from m to n repetitions non-greedy (as few as possible) | | | | |
| **RE Methods I** | | | | | | | | |
| **re.compile(pattern, flags)** | | | | | | | Compile a regular expression of pattern, with flags | |
| **re.match(pattern, string)** | | | | | | | Match pattern only at beginning of string | |
| **re.search(pattern, string)** | | | | | | | Match pattern anywhere in the string | |
| **re.split(pattern, string)** | | | | | | | Split string by occurrences of patern | |
| **re.sub(pattern, str2, string)** | | | | | | | Replace leftmost non-overlapping occurrences of pattern in string with str2 | |
| **Groups I** | | | | | | | | |
| **(match)** | | | | | Use to specify a group for which match can be retrieved later | | | |
| **(?:match)** | | | | | Non-capturing version parenthesis (match cannot be retrieved later) | | | |
| **(?P<name>)** | | | | | Capture group with name "name" | | | |
| **(?P=name)** | | | | | Back reference group named "name" in same pattern | | | |
| **(?#comment)** | | | | | Comment | | | |
| **Match Objects I** | | | | | | | | |
| **match.group("name")** | | | | | | Return subgroup "name" of match | | |
| **match.groups()** | | | | | | Return tuple containing all subgroups of match | | |
| **match.groupdict()** | | | | | | Return dict containing all named subgroups of match | | |
| **match.start(group)** | | | | | | Return start index of substring match by group | | |
| **match.end(group)** | | | | | | Return end index of substring matched by group | | |
| **match.span(group)** | | | | | | Return 2-tuple start and end indices of group in match | | |
| **Flags I** | | | | | | | | |
| **(?)** | | Extension notation (used to set flags) | | | | | | |
| **a** | | ASCII-only matching flag | | | | | | |
| **i** | | Ignore case flag | | | | | | |
| **L** | | Locale dependent flag | | | | | | |
| **m** | | Multi-line flag | | | | | | |
| **s** | | Dot matches all flag | | | | | | |
| **x** | | Verbose flag | | | | | | |
| **Lookahead / Behind I** | | | | | | | | |
| **(?=match)** | | | | | Lookahead assertion - match if contents matches next, but don't consume any of the string. | | | |
| **(?!match)** | | | | | Negative lookahead assertion - match if contents do not match next | | | |
| **(?<=match)** | | | | | Positive lookbehind assertion - match if current position in string is preceded by match | | | |
| **(?<!match)** | | | | | Negative lookbehind assertion - match if current position is not preceded by match | | | |
| **(?(id/name)yes|no)** | | | | | Match "yes" pattern if id or name exists, otherwise match "no" pattern | | | |
| **Match Objects II** | | | | | | | | |
| **match.pos** | | | | | Value of pos which was passed to search() or match() | | | |
| **match.endpos** | | | | | Value of endpos which was passed to search() or match() | | | |
| **match.lastindex** | | | | | Integer index of last matched capturing group | | | |
| **match.lastgroup** | | | | | Name of last matched capturing group | | | |
| **match.re** | | | | | The regular expression who match() or search() created this match | | | |
| **match.string** | | | | | The string passed to match() or search() | | | |
| **RE Methods II** | | | | | | | | |
| **re.fullmatch(pattern, string)** | | | | | | | | Match pattern if whole string matches regular expression |
| **re.findall(pattern, string)** | | | | | | | | Return all non-overlapping matches of pattern in string, as a list of strings |
| **re.finditer(pattern, string)** | | | | | | | | Return an iterator yielding match objects over non-overlapping matches of pattern in string |
| **re.subn(pattern, str2, string)** | | | | | | | | Replace left most occurrences of pattern in string with str2, but return a tuple of (newstring, # subs made) |
| **re.purge()** | | | | | | | | Clear the regular expression cache |