

Regular Expressions

| Symbol | Correspondence | Example |
|--------|--------------------------------|---|
| \ | Escape character | <code>[\.]</code> contain an "." |
| ^ | Start the line | <code>^b\$</code> contain only b |
| . | Any character | <code>^.\$</code> contain one character . |
| \$ | End of line | <code>er\$</code> ended by "er" |
| | Alternative | <code>^(a A)</code> start by a or A |
| () | Groups | <code>^((a) (er))</code> start by a or er |
| - | Range of characters | <code>^[a-d]</code> start by a,b,c or d |
| [] | a set of characters | <code>[0-9]</code> contents a number |
| [^] | All except a set of characters | <code>^[^a]</code> is not starting with a |
| + | 1 time or more | <code>^(a)+</code> start with one or more a |
| ? | 0 or 1 times | <code>^(a)?</code> start or not with a |
| * | 0 or more times | <code>^(a)*</code> can or not start with a |
| {x} | x times exact | <code>a{2}</code> 2 times "a" |
| {x,} | x times at least | <code>a{2,}</code> at least 2 times "a" |
| {x, y} | minimum x times, maximum y | <code>a{2,4}</code> 2, 3 or 4 times "a" |

| Alias | Correspondence | Equivalence |
|-------|------------------------------------|----------------------------|
| \n | Newline character | |
| \r | Newline character | |
| \t | Tab character | |
| \s | character space (space, tab , etc) | <code>[\f\n\r\t\v]</code> |
| \S | All but one space | <code>[^\f\n\r\t\v]</code> |
| \d | A number | <code>[0-9]</code> |
| \D | All but a number | <code>[^0-9]</code> |
| \w | One character | <code>[a-zA-Z0-9_]</code> |
| \W | All but a character | <code>[^a-zA-Z0-9_]</code> |

Examples

A string that contains letters from a to d or any uppercase letters: `\[a-zA-Z]\`

String starting (and ending) by y or z or Y or Z: `\^(y | z)$\i`

String containing no figure: `\[^0-9]\`

String containing the digits 1 or 2 or symbol ^ : `\[12\^\]`

You can use several metacharacters: `\^[pP]hara(onix)?$ \g`

String containing: phara, Phara, pharaonix or Pharaonix

JS - Regular expression - Boolean method: `.test()`

Use this web link to test the Regex : <http://regexr.com/>

Cookie

You can use those function to create (set) and to read (get) cookies. Use any other browser but Chrome to test set and get of your cookies.

```
function setCookie(cname, cvalue, nbrSec) {
    var d = new Date();
    d.setTime(d.getTime() + (nbrSec*1000));
    var expires = "expires="+d.toUTCString();
    document.cookie = cname + "=" + cvalue + ";" + expires;
}

function getCookie(cname) {
    var name = cname + "=";
    var ca = document.cookie.split(';');
    for(var i=0; i<ca.length; i++) {
        var c = ca[i];
        while (c.charAt(0)==' ') c = c.substring(1);
        if (c.indexOf(name) == 0) return c.substring(name.length, c.length);
    }
    return "";
}
```

Examples

```
<input type="button" onclick="setCookie('cookie_name',c_value,3600);" value="Create
cookie for one hour" />
<input type="button" onclick="alert(getCookie('cookie_name'));" value="Show cookie value"
/>
```

jQuery Selectors

Use our [jQuery Selector Tester](#) to demonstrate the different selectors.

| Selector | Example | Selects |
|----------------------------------|--|---|
| <code>*</code> | <code>\$("*")</code> | All elements |
| <code>#id</code> | <code>\$("#lastname")</code> | The element with id="lastname" |
| <code>.class</code> | <code>\$(".intro")</code> | All elements with class="intro" |
| <code>.class, .class</code> | <code>\$(".intro, .demo")</code> | All elements with the class "intro" or "demo" |
| <code>element</code> | <code>\$("p")</code> | All <p> elements |
| <code>el1, el2, el3</code> | <code>\$("h1, div, p")</code> | All <h1>, <div> and <p> elements |
| <code>:first</code> | <code>\$("p:first")</code> | The first <p> element |
| <code>:last</code> | <code>\$("p:last")</code> | The last <p> element |
| <code>:even</code> | <code>\$("tr:even")</code> | All even <tr> elements |
| <code>:odd</code> | <code>\$("tr:odd")</code> | All odd <tr> elements |
| <code>:focus</code> | <code>\$(":focus")</code> | The element that currently has focus |
| <code>:contains(text)</code> | <code>\$(":contains('Hello'))"</code> | All elements which contains the text "Hello" |
| <code>:empty</code> | <code>\$(":empty")</code> | All elements that are empty |
| <code>:parent</code> | <code>\$(":parent")</code> | All elements that are a parent of another element |
| <code>:hidden</code> | <code>\$("p:hidden")</code> | All hidden <p> elements |
| <code>:visible</code> | <code>\$("table:visible")</code> | All visible tables |
| <code>[attribute]</code> | <code>\$("[href]")</code> | All elements with a href attribute |
| <code>[attribute=value]</code> | <code>\$("[href='default.htm']")</code> | All elements with a href attribute value equal to "default.htm" |
| <code>[attribute!=value]</code> | <code>\$("[href!='default.htm']")</code> | All elements with a href attribute value not equal to "default.htm" |
| <code>[attribute\$=value]</code> | <code>\$("[href\$='.jpg']")</code> | All elements with a href attribute value ending with ".jpg" |
| <code>:input</code> | <code>\$(":input")</code> | All input elements |
| <code>:text</code> | <code>\$(":text")</code> | All input elements with type="text" |

| | | |
|-----------|-----------------|---|
| :password | \$(":password") | All input elements with type="password" |
| :radio | \$(":radio") | All input elements with type="radio" |
| :checkbox | \$(":checkbox") | All input elements with type="checkbox" |
| :submit | \$(":submit") | All input elements with type="submit" |
| :button | \$(":button") | All input elements with type="button" |
| :image | \$(":image") | All input elements with type="image" |
| :file | \$(":file") | All input elements with type="file" |
| :enabled | \$(":enabled") | All enabled input elements |
| :disabled | \$(":disabled") | All disabled input elements |
| :selected | \$(":selected") | All selected input elements |
| :checked | \$(":checked") | All checked input elements |

Example

```
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $(":input").css("background-color", "red");
});
</script>
</head>
<body>

<form action="">
  Name: <input type="text" name="user"><br>
  Password: <input type="password" name="password"><br>
  <button type="button">Useless Button</button>
  <input type="button" value="Another useless button"><br>
  <input type="reset" value="Reset">
  <input type="submit" value="Submit"><br>
</form>

</body>
</html>
```