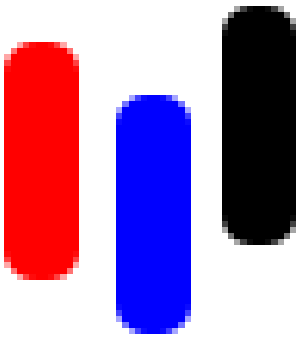
Getting Started

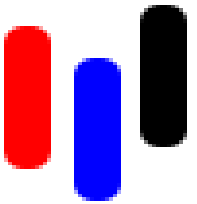
Introduction to jQuery

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tri labs



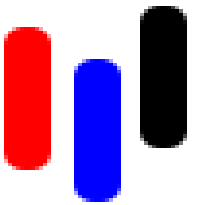
Objectives

- To get the jQuery library and know how to link it to your project
- Starting with a simple script



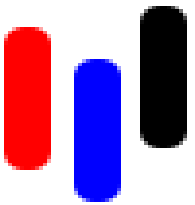
Prerequisite and Links

- Prerequisite
  - **CSS** and **HTML** - general knowledge on CSS and HTML
- Links
  - **jQuery** : http://jquery.com



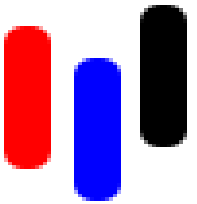
Setting the ground

- **Get the library to your computer** : In order for us to do anything we need to get the library downloaded to our computer. Go the jQuery website and download the **PRODUCTION** version on the library.
- **Folder structure** : Create a folder with the following structure.
  - NOTE: You can create your own structure , but I will assume the structure bellow
  - **jqueryintro -** for all our working files : **libs**, **js** and **html** files
    - **libs -** for all our jQuery library and plug-ins
    - **js -** supporting java script files (will use it in later sessions)
- **Placing jQuery library** : copy the jQuery library that you downloaded, jquery.1.x.x.min.js, into the **libs** folder



Creating HTML

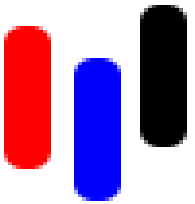
- **Create HTML file** : Start your preferred text editor and create a files and save it as ***gettingstarted.html*** in the **jqueryintro** folder.
- **Basics HTML Content** : type this into the files. This is the basic starting content that we will use throughout.



```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
   <head>
      <meta                  http-equiv="Content-Type"
content="text/html; charset=UTF-8" />
      <title>jQuery :: Getting Started</title>
   </head>

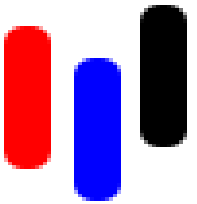
   <body>

   </body>
</html>
```

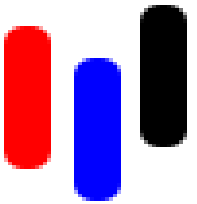


Linking jQuery

- in order to make use of the jQuery library, it must be linked to the HTML that needs to use it. To do that add the line below in **<head></head>** tags, after the **<title></title>** tags.

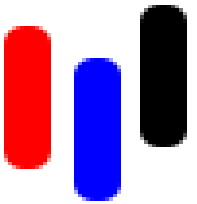


```
 <script type="text/javascript"
src="libs/jquery-1.3.2.min.js"></script>
```



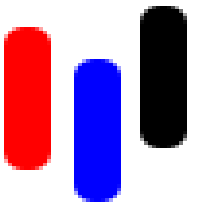
Task description

- **Create a blue box and a link**. When the links is clicked the box should do the following:-
  I. fades out
  II. fades out with a controlled time



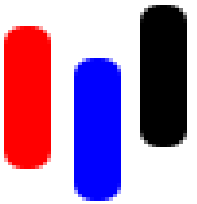
Task 0

- **Creating the blue box and the link.**
  - in the **<body></body>** add a ** ** with an whose ID attribute assigned to box, the ID attribute is used to identify the by javascript.
  - under the ** ** add the **<a>** and the click action will be hooked to this links, it should not link anywhere
  - **Save and Quick Check** : Save and open the ***gettingstarted.html*** with a web browser. Now it should only be the link without the box and nothing happens when you click it. No not yet.



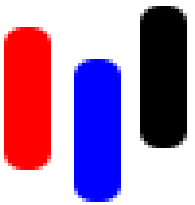
```
<div id="box" ></div>

<a href="#">Click Me</a>
```

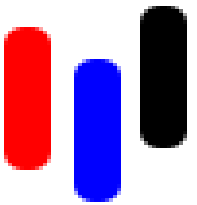


Task 1

- **Add the blue box with CSS**
  - the box can also be created by java script but the use of CSS is a good and standard practice. Just after the jQuery file inclusion declaration in the **<head></head>** tags add the following CSS declaration, NOTE: in production this will be in a separate CSS file, not in-line as done here.
  - **Save and Quick Check** : Save ***gettingstarted.html*** and refresh your web browser. Now the blue box will be there, still when you click nothing happens

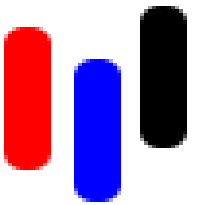


```
<style type="text/css">
  #box{
    width: 300px;
    height: 300px;
    background: #00f;
  }
</style>
```



Task 2

- Adding the fades when the link is clicked
  - under the the CSS declarations start the java script. the first thing is to add the java script tags, and all the java script codes will be in these tags

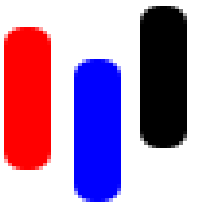


```
<script
type="text/javascript">

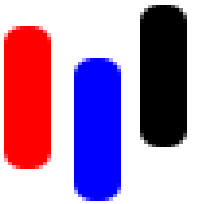
</script>
```

Task 2

- tell the browser not to execute any java script until all the necessary part of the page have been downloaded. This is done so that the java script does not act on elements/items that have not yet been downloaded to the page.

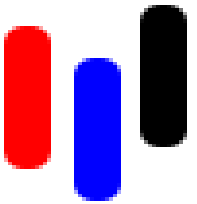


```
<script
type="text/javascript">
  $(document).ready();
</script>
```

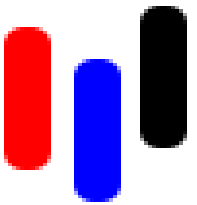


Task 2

- add an event to be executed when the link is clicked, by telling the jQuery to look for a particular element, in this case an **<a>** tag and when the link is clicked do the following

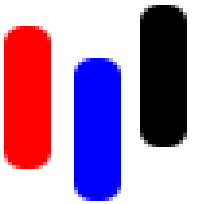


```
<script
type="text/javascript">
  $
(document).ready(function()
{
    $('a').click();
  });
</script>
```

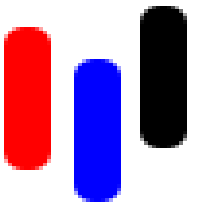


Task 2

- specify the actual even to be excuted on click, in this case its fading out of the box. like the **<a>** jQuery needs to be told what to fade out, here comes the power of jQuery, the CSS-like notation can be used to select the element

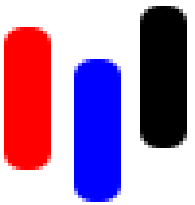


```
<script
type="text/javascript">
  $
(document).ready(function()
{
    $('a').click(function(){
      $('#box').fadeOut();
    });
  });
</script>
```

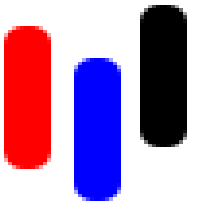


Task 2

- **Save and Quick Check** : Save *gettingstarted.html* and refresh your web browser. Now on clicking the Click Me link, the blue box fade out. The fading out here is equivalent of the display:none in CSS.
- to add a controlled fading out add the pass the number of milliseconds as the duration on the fading out. **Save and Quick Check**.

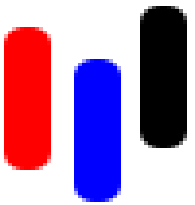


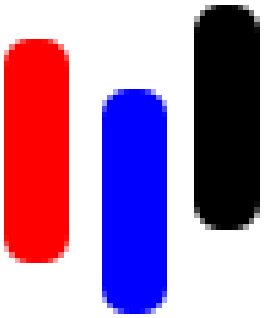
```
<script
type="text/javascript">
  $(document).ready(function()
{
    $('a').click(function(){
      $('#box').fadeOut(5000);
    });
  });
</script>
```



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