# jQuery Image Hovering Exercise

## Instructions

This exercise will continue the example index.html discussed in the classes. You can find all the required files and the solutions for this exercise from the following location:

H:\BUSINESS\DISC\6420 IWD\exercises\jQuery Image Hovering

1. Modify the **index.html** file to replace the three images used here by the provided five images. You need to replace the following three lines of code:

<a href="[one.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/one.jpg)"><img src="[oneTN.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/oneTN.jpg)" alt="image" /></a>

<a href="[two.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/two.jpg)"><img src="[twoTN.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/twoTN.jpg)" alt="image" /></a>

<a href="[three.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/three.jpg)"><img src="[threeTN.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/threeTN.jpg)" alt="image" /></a>

by the following five lines of code:

<a href="[large1.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large1.jpg)"><img src="[small1.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small1.jpg)" alt="image" /></a>

<a href="[large2.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large2.jpg)"><img src="[small2.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small2.jpg)" alt="image" /></a>

<a href="[large3.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large3.jpg)"><img src="[small3.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small3.jpg)" alt="image" /></a>

<a href="[large4.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large4.jpg)"><img src="[small4.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small4.jpg)" alt="image" /></a>

<a href="[large5.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large5.jpg)"><img src="[small5.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small5.jpg)" alt="image" /></a>

1. Save the results as modified\_index.html.
2. Experiment more with this file. For example, change the border color of the large image into a color of your own choice.
3. Write a function ***smallImages*** which can generate the same hyperlinks as you used in the Step 1, but add a <br> tag at the end of each link so the images will be displayed vertically. For link number ***i***, the code should be

<a href="[large***i***.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/large1.jpg)"><img src="[small***i***.jpg](view-source:file:///J:/BUSINESS/DISC/6420%20IWD/jQuery%20Exercises/small1.jpg)" alt="image" /></a><br/>

Use the total number of the links, ***imgNum***, as a parameter of the function, so the string to generate the above code should be constructed as the following:

strLinks ="<a href='large" + ***i*** + ".jpg'><img src='small" + ***i*** + ".jpg' alt='image'/></a><br/>";

where ***i*** is a variable. We need to generate the above code for all the images, thus a loop:

for (i=1; i<=imgNum; i++)

{

strLinks +="<a href='large" + i + ".jpg'><img src='small" + i + ".jpg' alt='image'/></a><br/>";

}

The complete code of the function is as the following:

function smallImages(imgNum)

{

var strLinks="";

for (i=1; i<=imgNum; i++)

{

strLinks +="<a href='large" + i + ".jpg'><img src='small" + i + ".jpg' alt='image'/></a><br/>";

}

document.write(strLinks);

}

Add the above function to the <script> block

1. Inside the body of ***modified\_index.html***, add the following code to call the function, and notice that the image number is 5:

<div id="bannerArea">

<script type="text/javascript">

smallImages(5);

</script>

</div>

1. Test the file.
2. Defile CSS style text-align:right for <div id="bannerArea">, so the images will be right aligned.

#bannerArea{text-align:right;}

1. Test the file
2. Modify the jQuery code so the large image will be displayed to the left. Set var offsetX = 400; Change the functions to subtract X offset:

.css('left', e.pageX + offsetX) becomes .css('left', e.pageX - offsetX)

$("#largeImage").css('top', e.pageY + offsetY).css('left', e.pageX + offsetX);

becomes

$("#largeImage").css('top', e.pageY + offsetY).css('left', e.pageX - offsetX);

1. Modify the CSS code add a border and a margin to the small images.

a img {

border: ridge #CFF 5px;

margin:2px;

}

1. Test the file.