

# jQuery Exercises 2

## Exercise 0: Animated Block

### JQ2ex00.js

```
$(document).ready(function() {  
  $("button").click(function() {  
    $("div").animate({height:300},"slow");  
    $("div").animate({width:300},"slow");  
    $("div").animate({height:100},"slow");  
    $("div").animate({width:100},"slow");  
  });  
});
```

### JQ2ex00.htm

```
<!DOCTYPE html>  
  
<html>  
  <head>  
    <link rel="stylesheet" type="text/css" href="JQ2ex00.css" />  
    <script type="text/javascript" src="jquery-1.10.2.js"></script>  
    <script type="text/javascript" src="JQ2ex00.js"></script>  
  </head>  
  
  <body>  
    <button>Start Animation</button>  
    <br /><br />  
    <div id="main">  
    </div>  
  </body>  
</html>
```

### JQ2ex00.css

```
div#main  
{  
  background: #98bf21;  
  height: 100px;  
  width: 100px;  
  position: relative  
}
```

## Exercise 1 : Callback Function

### JQ2ex01.htm

```
<!DOCTYPE html>

<html>
  <head>
    <script type="text/javascript" src="jquery-1.10.2.js"></script>
    <script type="text/javascript" src="JQ2ex01.js"></script>
  </head>

  <body>
    <button class="first">Hide</button>
    <p class="first">
      This is a paragraph to demonstrate running a function WITH
callback.
    </p>
    <br /><br />
    <button class="second">Hide</button>
    <p class="second">
      This is a paragraph to demonstrate running a function WITHOUT
callback.
    </p>

  </body>
</html>
```

### JQ2ex01.js

```
$(document).ready(function() {

  $("button.first").click(function() {
    $("p.first").hide(1000,function() {
      alert("The paragraph is now hidden");
    });
  });

  $("button.second").click(function() {
    $("p.second").hide(1000);
    alert("The paragraph is now hidden");
  });

});
```

## Exercise 2: Manipulating CSS

### JQ2ex02.htm

```
<!DOCTYPE html>

<html>
  <head>
    <link rel="stylesheet" type="text/css" href="JQ2ex02.css" />
    <script type="text/javascript" src="jquery-1.10.2.js"></script>
    <script type="text/javascript" src="JQ2ex02.js"></script>
  </head>

  <body>
    <div id="one" class="square"></div>
    <div id="two" class="square"></div>
    <div id="three" class="square"></div>
    <br />
    <p>Click on each square to see it's colour code</p>
    <br />
    <button>Click here to change the height of the squares</button>
  </body>
</html>
```

### JQ2ex02.js

```
$(document).ready(function() {

  $("div").click(function() {
    alert($(this).css("background-color"));
  });

  $("button").click(function() {
    $("div").css("height", "200px");
  });

});
```

### JQ2ex02.css

```
div.square
{ float: left; width: 100px; height: 100px; }

div#one
{ background-color: #FF0000; }

div#two
{ background-color: #00FF00; }

div#three
{ background-color: #0000FF; }

p
{ clear: left; }
```

### Exercise 3: Expanding Email List (using jQuery)

#### JQ2Ex03.htm

```
<!DOCTYPE html>

<html>
  <head>
    <script type="text/javascript" src="jquery-1.10.2.js"></script>
    <script type="text/javascript" src="JQ2ex03.js"></script>
  </head>

  <body>
    <table>
      <tbody id="contacts">
        <tr>
          <td colspan="3">
            <button>Add a Contact</button>
          </td>
        </tr>
        <tr>
          <td></td><td>Name</td><td>Email</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

#### JQ2Ex03.js

```
$(document).ready(function() {

var inputs = 0;

$("button").click(function() {
  {
    var $namestring = "Name"+inputs;
    var $emailstring = "Email"+inputs;

    $("#contacts").append("<tr class='row'><td
class='imagecell'></td><td><input type='text' name='"+$namestring+"'
/></td><td><input type='text' name='"+$emailstring+"' /></td></tr>");

    if (inputs>0) {
      $(".imagecell").last().append("<img src='delete.gif' />");
      $("img").last().click(function() {
        $(this).parents(".row").remove();
      });
    }
    inputs = inputs + 1;
  }
});
});
```

## Exercise 4: Ajax Request

### JQ2ex04.htm

```
<!DOCTYPE html>

<html>
  <head>
    <link rel="stylesheet" type="text/css" href="JQ2ex04.css" />
    <script type="text/javascript" src="jquery-1.10.2.js"></script>
    <script type="text/javascript" src="JQ2ex04.js"></script>
  </head>

  <body>
    <div>
      Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam vel
      augue justo. Donec eget sapien urna, at mollis arcu. Etiam eu volutpat
      velit. Phasellus vehicula sem at augue dapibus vestibulum. Nunc ut metus ut
      est volutpat sollicitudin eu vitae lectus </div>
      <div id="middle">
        <h2>Let AJAX change this text</h2>
      </div>
      <div>
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam vel
        augue justo. Donec eget sapien urna, at mollis arcu. Etiam eu volutpat
        velit. Phasellus vehicula sem at augue dapibus vestibulum. Nunc ut metus ut
        est volutpat sollicitudin eu vitae lectus </div>
        <button>Change Content</button>
      </div>
    </body>
  </html>
```

### JQ2ex04.css

```
div
{ float: left; height: 200px; width: 200px;
}
```

### JQ2ex04.js

```
$(document).ready(function(){
  $("button").click(function(){
    $("div#middle").load('test1.txt');
  });
});
```

### test1.txt

This is a test file containing some text. I want it to appear in a document when I click on a button, without having to refresh the page. I need to use a remote http request to get the file. This is called the Ajax technique.