

JQuery Quiz 2

1. Which, if any, of the following 3 code fragments are equivalent? Explain why they are different, if they are. Explain why they can have different parameters and be equivalent, if they are equivalent.

```
//code fragment 1
$("li").each(function(idx, e) {
    $(e).css("color", "yellow");
});

//code fragment 2
$("li").each(function() {
    $(this).css("color", "yellow");
});

//code fragment 3
$("li").each(function(idx) {
    $(this).css("color", "yellow");
});
```

Answer:

→ All three code fragments are equivalent. Normally each function has two parameters, first parameter(index) and second parameter(value). In all of these code fragments we are making use of this keyword which refers to the current object but is also the same as the second parameter(value). Thus, in the 1st code e is the second parameter which is same as this keyword. In the 2nd code we are using this only, so no need to specify the parameters. And the 3rd code uses this keyword, and even if we have the first parameter referring to index, since we are not using it doesn't matter. Thus, we can conclude that the each function has two optional parameters.

2. Write a jQuery expression to find all divs on a page that includes an unordered list in them, and make their text color be blue.

```
<div>no ul here</div>
<div>
  This does contain a ul.
  <ul>
    <li>the first item</li>
    <li>the second item</li>
  </ul>
</div>
<script>
  <!--Insert your JQuery code here -->
</script>
</body>
```

Answer: → `$("div ul").css("color", "blue");`

```
<div>no ul here</div>
<div>
  This does contain a ul.
  <ul>
    <li>the first item</li>
    <li>the second item</li>
  </ul>
</div>
<script src="jquery-3.6.0.min.js"></script>
<script>
  $(document).ready(function(){
    $("div ul").css("color", "blue");
  });
</script>
</body>
```

3. Write jQuery code to append the following *div* element (and all of its contents) dynamically to the *body* element.

```
<div><h1>jQuery Core</h1></div>
```

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>JS Bin</title>
  </head>
  <body>
  </body>
</html>
```

Answer: → `$("body").append("<div><h1>jQuery Core</h1></div>");`

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>JS Bin</title>
</head>
<body>
  <script src="jquery-3.6.0.min.js"></script>
  <script>
    $(document).ready(function(){
      $("body").append("<div><h1>jQuery Core</h1></div>");
    });
  </script>
</body>
</html>
```