

jQuery Quiz II

December 2016

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"); });
```

All 3 code fragments are equivalent. The `.each()` method iterates over all "li" elements. The reason is that the parameters are optional, they can be used to differentiate between each indexed element. However, all 3 code fragments paint the list items with the same yellow color, so there is no distinction based on the index (`idx`). Also, the "e" parameter refers to the element itself, which can be replaced with "this". So all 3 code fragments yield the same result.

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

```
<body>
  <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 - - >`

```
$("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>
```

HTML:

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

</body>
</html>
```

```
var text = "<div><h1>jQuery Core</h1></div>";
$("body").append(text);
```