

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"); });
```

Answer:

The result of code fragment 1,2,3 is same.

code fragment 1 : In the [function(idx, e)], idx is index and e is value.

So \$(e) is an object of the current [li].

code fragment 2 : In the [function()], there is no parameter, \$(this) also is an object of the current line [li].

code fragment 2 : in the [function(idx)], idx is index, there is no relationship between \$(this) and idx. So this parameter is not used in the code fragment 3. \$(this) also is an object of the current line [li].

Depending on the above analysis, code fragment 1,2,3 is 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.

```
<div>no ul here </div>
<div>
    This does contain a ul.
    <ul>
        <li>the first item</li>
        <li>the second item</li>
    </ul>
</div>
<button id="btn1">Change</button>
<script type="text/javascript" src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
<script>
<!--INSERT YOUR JQUERY CODE HERE -->
```

Answer:

```
$(document).ready(function(){
    $("#btn1").click(function(){
        $("div").each(function(){
            if($(this).find("ul").length > 0){
                $(this).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>
```

Answer:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <meta charset="utf-8">
```

```
  <title>JS Bin</title>
```

```
  <script type="text/javascript" src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
```

```
  <script>
```

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

```
      $("<div><h1>jQuery Core</h1></div>").appendTo("body");
```

```
    });
```

```
  </script>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```