

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 the parameters in callback functions are optional although these fragments are equivalent. We can use them based on our needs within the loop.

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>
```

```
<script>
```

```
    $("#div").each(function(i, ele) {
```

```
        if($("#div").has("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 :

```
let h1= $("<h1></h1>").text("jQuery Core");
let h2 = $("<div></div>").append(h1);

$("body").append(h2);
```