

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]

fragment 1 will change all the element colors to yellow because it is looping over `e`

fragment 2 will change only element where event occurred because of "this"

fragment 3 will change only element where event occurred because of "this"

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>
<!--INSERT YOUR JQUERY CODE HERE -->
<script>
$("div:has(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>
<script>
  $("body").append("<div><h1>jQuery Core</h1></div>");
</script>
</html>
```