

1. In jQuery terminology, what is the difference between the “jQuery function” and the “jQuery object”?

The dollar sign with the parentheses is the shorter name of the jQuery function. The jQuery function is the value of jQuery or of \$. This is the function that creates jQuery objects and registers handlers to be invoked when the DOM is ready; it also serves as the jQuery namespace. I usually refer to it as \$().

A jQuery object is an object returned by the jQuery function. A jQuery object represents a set of document elements and can also be called a “jQuery result”, a “jQuery set”, or a “wrapped set”.

2. Write jQuery code to find all h1 elements that are children of a div element and make their background color red.

Sample HTML:

```
<body>
<h1>abc</h1><br><div>
<h1>div-1</h1>
<h1>div-2</h2>
</div>
<h1>xyz</h1>
</body>
```

Ans:

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
    $(document).ready(function(){
        $("div h1").css("color","red");
    });
</script>
```

```
</head>
<body>
  <h1>abc</h1><br><div>
    <h1>div-1</h1>
    <h1>div-2</h1>
  </div>
  <h1>xyz</h1>
</body>
</html>
```

3. Use a jQuery method to insert the text "YES!" at the end of the element.

```
<!DOCTYPE html>
<html>
  <head>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">
    </script>
    <script>
      $(document).ready(function(){
        $("p").append("YES!");
      });
    </script>
  </head>
  <body>
    <p>Is jQuery FUN or what? </p>
  </body>
</html>
```