

W2D5 Quiz

CS472 WAP October 2016 – Prof. Zijlstra

1. Explain what the following 3 mean in terms of what jQuery does:

a. `$("div")`

→ Selects all div tags

b. `$("<div>")`

→ Creates a new div tag, that can then be added to the DOM

c. `$(div)`

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- 1) variable does not exist, crash
- 2) if div normal element, it is "upgraded"
- 3) if div is a function it is run when the document is loaded
- 4) if div is none of those, it is wrapped in a jQuery array

2. Rewrite the following to use jQuery:

```
var divs = document.getElementsByTagName("div");
for (let i = 0; i < divs.length; i++) {
  divs[i].style.color = 'blue';
  divs[i].style.backgroundColor = 'yellow';
}
```

`$("div").css({'color': 'blue', 'background-color': 'yellow'});`

3. Explain what event bubbling is, and how the following methods affect it:

`event.preventDefault()`, `event.stopPropagation()` and `event.stopImmediatePropagation()`

Bubbling is where the event goes from the leaf node, all the way up the DOM to root (HTML tag) through all intermediate nodes, triggering the event there

- `preventDefault()` stops the default action, such as submitting a form, from happening
- `stopPropagation()` stops it from going further up the tree
- `stopImmediatePropagation()` stops sibling handlers on same element as well as stopping going up the tree