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10 Essential Twitter Bootstrap Interview Questions *

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Consider the HTML code snippet below.

```
<button type="button" class="btn btn-default" data-toggle="tooltip" data-placement="top" title="Example tooltip">Hover over me</button>
```

What is missing for a tooltip to show properly?

View the answer →Hide answer

Bootstrap's Tooltip plugin is **not** CSS-only, like other plugins are. For performance reasons, the Tooltip plugin is opt-in, and to use it you **must** initialize it using JavaScript with the following example code:

```
$(function () {
  $('[data-toggle="tooltip"]').tooltip();
});
```

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What is the difference between the following two lines of code?

```
$('#myModalPrompt').modal({ keyboard: false });
$.fn.modal.Constructor.DEFAULTS.keyboard = false;
```

Explain your answer.

View the answer →Hide answer

The first line will initialize a modal dialog prompt with id `#myModalPrompt`, and set only it to ignore keyboard event. The second line will change the default settings for the modal plugin by modifying the plugin's `Constructor.DEFAULTS` object, and will have an impact on all modal dialog prompts.

Consider the HTML code snippet below. What will the output be, and why?

```
<div class="progress">
  <div class="progress-bar progress-bar-success" style="width: 65%">
    <span class="sr-only">65% sucesfuly completed</span>
  </div>
  <div class="progress-bar progress-bar-warning" style="width: 20%">
    <span class="sr-only">20% completed with warnings</span>
  </div>
  <div class="progress-bar progress-bar-danger" style="width: 15%">
    <span class="sr-only">15% did not complete</span>
  </div>
</div>
```

View the answer →Hide answer

By placing multiple bars under the same `.progress` parent element, Bootstrap will stack them into one single progress bar. Since the sum of the progress bar is 100%, the progress bar will be full width and fully populated.

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What will be the default Bootstrap look of the alert created with this following code:

```
<div class="alert" role="alert">Warning! I'm missing something.</div>
```

View the answer →Hide answer

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Alert messages are used to provide feedback message that usually require the attention of the user. Here it is important to note that Bootstrap Alerts don't have default class. If a contextual class such as `.alert-success`, `.alert-info`, `.alert-warning`, or `.alert-danger`, is not provided, a default gray alert will be created.

Explain what the following code does, and where they are useful:

```html
<a href="#">Home <span class="badge">36</span></a>
```

View the answer →Hide answer

This code will generate a link with an inline badge that provides important notifications to the user, such as number received or unread messages or number of friend requests. Badges are most commonly used in message applications and social networking sites.

What will be the output of the following HTML code:

```html
<ul class="list-unstyled">
  <li>Item 1</li>
  <li>Item 2</li>
    <ul>
      <li>Nested item 2.1</li>
      <li>Nested item 2.2</li>
      <li>Nested item 2.3</li>
    </ul>
  <li>Item 3</li>
</ul>
```

Explain your answer.

View the answer →Hide answer

If we apply `.list-unstyled` to a list, it will remove the default list-style and left margin on the list items. But **only** for the immediate children. Main list items will be without any style, and nested list items will still have default unordered nested list-style.

What global styles are applied as a part of Bootstrap's default typography?

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Bootstrap sets the global default `font-size` to 14px, with a `line-height` of 1.428. The default font is changed to Helvetica and Arial with sans serif fallback. All these styles are applied to the `<body>` and all paragraphs, with the addition that `<p>` (paragraphs) receive a bottom margin of half their computed line-height, which is 10px by default.

Consider the following HTML code snippet:

```
<div class="row">
  <div class="col-xs-12 col-md-3">.col-xs-12 .col-md-3</div>
  <div class="col-xs-12 col-md-3">.col-xs-12 .col-md-3</div>
  <div class="col-xs-12 col-md-3">.col-xs-12 .col-md-3</div>
  <div class="col-xs-12 col-md-3">.col-xs-12 .col-md-3</div>
</div>
```

What will be the output of the following HTML code on mobile and on desktop view? Explain your answer.

View the answer →Hide answer

`.col-xs-*` class defines the number of grids for extra small devices, and `.col-md-*` defines the number of grids for desktop devices and above. This example will render on the desktop with four columns, and on mobile the columns will have full width and will be stacked on each other.

How many different media queries are used by the Bootstrap grid system by default?

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The Bootstrap grid system provides four tiers of classes: **xs** for phones (<768px), **sm** for tablets (≥768px), **md** for desktops (≥992px), and **lg** for large desktops (≥1200px). The hidden trick in this question is that there are only three media queries. Bootstrap is mobile first by design, so the default styles are for small devices, and media queries are then added on for larger screens, as follow in LESS code:

```
/* Extra small devices (phones, less than 768px) */
/* No media query since this is the default in Bootstrap */

/* Small devices (tablets, 768px and up) */
@media (min-width: @screen-sm-min) { ... }

/* Medium devices (desktops, 992px and up) */
@media (min-width: @screen-md-min) { ... }

/* Large devices (large desktops, 1200px and up) */
@media (min-width: @screen-lg-min) { ... }
```

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What dependencies does Bootstrap require for it to work properly?

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The only dependency that Bootsrap requires to work properly is jQuery, and this is only for Bootstrap's JavaScript plugins. At the moment, Bootsrap v3.3.4 requires jQuery v1.9.1 or later.

* There is more to interviewing than tricky technical questions, so these are intended merely as a guide. Not every "A" candidate worth hiring will be able to answer them all, nor does answering them all guarantee an "A" candidate. At the end of the day, hiring remains an art, a science — and a lot of work.
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