1. **Explain how the tutorial author used Media Queries and his reason for doing so.**

**Answer:** The author used media queries to make the background images in carousel responsive to the device in which the web page would be opened. For example, the author set the media query for larger devices at a minimum width of 1200 pixels and assigned a large image to fill in the desktop. Whereas for a small device the width was of 468 pixels and small images were used for it. Thus making the carousel responsive to the device in which it is opened.

1. **Provide a 2 or 3 paragraph summary of the advantages (and possible disadvantages) of using Bootstrap.**

**Answer:** Advantages of using Bootstrap are as follows:

* Great standardized platform with all the basic styles and components needed (layout grid, panels, tables, buttons, modals, form styles, etc) to build on which saves a lot of time.
* Support for all major browsers and fixes CSS compatibility issues.
* Consistent UI that looks good out of the box.
* Lightweight and customizable (on their site or via less and sass) files so you can include only what you use.
* Designed with responsive structures and styles for mobile devices.
* Several javascript plugins included using jQuery.
* Icons included (now as a font file for infinite scaling).
* Good documentation and community support.
* Lots of free and professional templates, themes and plugins.

Disadvantages of using Bootstrap are as follows:

* Styles are verbose and can lead to lots of HTML output that's not perfectly semantic.
* Javascript is tied to jQuery (it's by the far the most common javascript library though and the plugins can just as easily be left unused).
* Can require lots of overriding styles or rewriting their files if you have lots of customizations or want to deviate from Bootstrap structure.
* Websites can start to look the same if you don't customize the styles and colors much.

1. **After some quick web research, list one plugin or add-on that is compatible with Bootstrap 3 and jQuery. This should be a software add-on that extends jQuery or Bootstrap.**

**Answer:** One of the plugin compatible with Bootstrap and jQuery is Bootstrap Datatables. More details on the same could be found at <https://datatables.net/manual/styling/bootstrap> .

1. **Choose an element on the page and inspect/trace the code to find the CSS rules that style it. Include the line numbers and filename where the CSS rules live.**

**Answer:** Element inspected: carousel

File Name: Bootstrap.css

Line Number: 4152

**Note: Overridden CSS rules in the assignment are as follows:**

1. **In style.css:**

**body{**

**background-color: #ff6600;**

**}**

1. **In Bootstrap.css:**

**.navbar {**

**background-color: #cc3300;**

**}**