1. What are the advantages of Bootstrap?

Ans: advantages of Bootstrap are:

* [It saves time and effort by using predefined design templates and components](https://bootstrapbay.com/blog/why-to-use-bootstrap-5-advantages-of-bootstrap/).
* [It has a powerful grid system that adapts to different devices and screen sizes](https://bootstrapbay.com/blog/why-to-use-bootstrap-5-advantages-of-bootstrap/).
* [It is compatible with most browsers and supports cross-browser functionality](https://willvick.com/advantages-of-using-bootstrap/).
* [It has a large community of developers and users who can offer support and resources](https://willvick.com/advantages-of-using-bootstrap/).

2. What is a Bootstrap Container and how does it work?

Ans: [A Bootstrap container is a **layout element** that **contains, pads, and aligns** your content within a given device or viewport](https://getbootstrap.com/docs/5.0/layout/containers/). [There are three types of containers in Bootstrap: **.container**, **.container-fluid**, and **.container-{breakpoint}**](https://getbootstrap.com/docs/5.0/layout/containers/).

3. What are the default Bootstrap text settings?

Ans: The default text settings in Bootstrap are:

* [Font family: “Helvetica Neue”, Helvetica, Arial, sans-serif](https://www.bing.com/search?q=What+are+the+default+Bootstrap+text+settings%3F&qs=n&form=QBRE&sp=-1&lq=0&pq=what+are+the+default+bootstrap+text+settings%3F&sc=10-45&sk=&cvid=C6822A28E7B2447088AA62AD5ADBDD04&ghsh=0&ghacc=0&ghpl=)
* [Font size: 16px for the body element](https://www.akkinfotech.com/what-are-the-default-bootstrap-text-settings/)
* [Font weight: bold for headings](https://www.akkinfotech.com/what-are-the-default-bootstrap-text-settings/)
* [Line height: 1.5 for text](https://www.bing.com/search?q=What+are+the+default+Bootstrap+text+settings%3F&qs=n&form=QBRE&sp=-1&lq=0&pq=what+are+the+default+bootstrap+text+settings%3F&sc=10-45&sk=&cvid=C6822A28E7B2447088AA62AD5ADBDD04&ghsh=0&ghacc=0&ghpl=)
* [Text color: black (#000) for text](https://www.akkinfotech.com/what-are-the-default-bootstrap-text-settings/)

4. What do you know about the Bootstrap Grid System?

Ans: Bootstrap's grid system allows up to 12 columns across the page.Bootstrap's grid system is responsive, and the columns will re-arrange depending on the screen size: On a big screen it might look better with the content organized in three columns, but on a small screen it would be better if the content items were stacked on top of each other.

5. What is the difference between Bootstrap 4 and Bootstrap 5?

Ans: Bootstrap is a popular framework for creating responsive web pages. Bootstrap 5 is the latest version, released in May 2021. Some of the main differences between Bootstrap 4 and Bootstrap 5 are:

* Bootstrap 5 **does not depend on jQuery**, a JavaScript library, while Bootstrap 4 does. [This makes Bootstrap 5 faster and lighter](https://superdevresources.com/bootstrap5-vs-bootstrap4-whats-new/).
* [Bootstrap 5 has an **extended color palette** with more shades and hues, while Bootstrap 4 has limited color options](https://lgour.medium.com/introduction-to-bootstrap-5-and-differences-between-bootstrap-5-and-bootstrap-4-83ef46e351b0).
* [Bootstrap 5 has **custom designed form controls** that look consistent across different browsers, while Bootstrap 4 uses the default browser form controls](https://superdevresources.com/bootstrap5-vs-bootstrap4-whats-new/).
* [Bootstrap 5 has a **new grid tier** called xxl for extra large screens, while Bootstrap 4 has only five grid tiers: xs, sm, md, lg, and xl](https://lgour.medium.com/introduction-to-bootstrap-5-and-differences-between-bootstrap-5-and-bootstrap-4-83ef46e351b0).
* [Bootstrap 5 has **more classes for vertical spacing** and alignment, while Bootstrap 4 lacks them](https://vpsnest.com/blog/bootstrap-3-vs-4-vs-5-which-to-choose/).

6. What is a Button Group, and what is the class for a basic Button Group?

Ans: A Button Group is a container that organizes a set of buttons and ensures that only one button can be selected at a time.

in Bootstrap, the class is **btn-group.**

7. How can you use Bootstrap to make thumbnails?

Ans: [To use Bootstrap to make thumbnails, you can use the **.img-thumbnail** class to give an image a rounded border appearance](https://getbootstrap.com/docs/4.0/content/images/). [You can also use the **.thumbnail** class within an <a> element to show linked images in grids](https://www.geeksforgeeks.org/how-to-generate-thumbnails-and-customize-using-bootstrap/). [You can use the **.img-fluid** class to make the images responsive](https://getbootstrap.com/docs/5.0/content/images/).

*<!-- Image thumbnail -->*

<img src="..." alt="..." class="img-thumbnail">

*<!-- Linked image thumbnail -->*

<a href="#" class="thumbnail">

<img src="..." alt="...">

</a>

*<!-- Responsive image thumbnail -->*

<img src="..." class="img-fluid img-thumbnail" alt="...">

8. In Bootstrap 4, what is flexbox?

Ans:  [Bootstrap 4 uses flexbox to control the layout and alignment of its components](https://www.w3schools.com/bootstrap4/bootstrap_flex.asp). [You can use flex classes to apply flexbox properties to Bootstrap elements](https://www.javatpoint.com/bootstrap-4-flexbox). For example, you can use .*d-flex* to display an element as a flex container, or .*justify-content-center* to center the items in a flex container horizontally. [You can also use the grid system to create responsive layouts with flexbox](https://getbootstrap.com/docs/4.0/layout/grid/).

*9.* What is a bootstrap card and how would you creat one?

Ans: A bootstrap card is a flexible and extensible content container with a bordered box and some padding. It can have **headers, footers, content, colors, and other display options**. To create a bootstrap card, you need to use the *.card* class on a <div> element, and then add the .*card-body* class on another *<div>* element inside it to place the content. You can also use other classes to customize the card, such as *.card-header, .card-footer*, *.card-img-top, .card-title, .card-text*, etc. Here is an example of a basic card:

<div class="card">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>