1. **What are the advantages of Bootstrap?**

**Ans:**

One of the most significant advantages of Bootstrap is its ease of use. Bootstrap provides a range of pre-designed components, such as buttons, forms, navigation bars, and models, that can be easily integrated into your web pages

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

**Ans:**

Bootstrap Containers are the most basic layout element in Bootstrap. Bootstrap Containers are very essential and basic building blocks of bootstrap that wrap a page’s content. It’s responsible for setting and aligning content within it according to viewport or given device. Containers are defined within the container class (.container)

1. **What are the default Bootstrap text settings?**

**Ans:**

**Bootstrap Default text Setting:**

 default font-size of 16px, and its line-height is 1.5. The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default).

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

**Ans**:

The Bootstrap Grid System is a powerful and flexible layout system that allows you to create responsive and mobile-friendly web pages. It is based on a 12-column grid, which means that the page is divided into 12 equal columns. You can use these columns to arrange your content in different ways, depending on the screen size.

**5 What is the difference between Bootstrap 4 and Bootstrap 5**

**Ans:**

Bootstrap 4 and Bootstrap 5 are both popular CSS frameworks for building responsive websites, but there are some key differences between them

* **Grid system:**
* **Bootstrap 4:** Uses a 12-column grid system.
* **Bootstrap 5:** Uses a flexible grid system that allows for custom column widths and gutter sizes.

**🡪 Flexbox:**

* **Bootstrap 4:** Uses Flexbox for some components but not consistently.
* **Bootstrap 5:** Uses Flexbox extensively for layout and alignment, making it more responsive and flexible.

**🡪 Components:**

* **Bootstrap 4:** Offers a wide range of components, including buttons, forms, navigation, and more.
* **Bootstrap 5:** Offers a similar set of components but with updated styling and functionality.

**🡪 Utilities:**

* **Bootstrap 4:** Provides a set of utility classes for styling individual elements.
* **Bootstrap 5:** Offers a more comprehensive set of utility classes, including margin, padding, text alignment, and more.

**🡪 JavaScript:**

* **Bootstrap 4:** Includes jQuery as a dependency.
* **Bootstrap 5:** Is built on top of pure JavaScript, making it more lightweight and compatible with modern web development practices.

**🡪 Browser support:**

* **Bootstrap 4:** Supports IE10 and above.
* **Bootstrap 5:** Supports IE11 and above.

**🡪 Theme customization:**

* **Bootstrap 4:** Offers a limited amount of theme customization.
* **Bootstrap 5:** Offers more flexibility for customizing the theme, including colour palette, typography, and more.

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

**Ans:**

Button Group in Bootstrap is a collection of buttons that are grouped together visually. They are often used to present a set of related options or actions to the user in a compact and organized manner.

Basic Class For Button Group : <div class="btn-group"> </div>

**7 How can you use Bootstrap to make thumbnails?**

**Ans:**

**Step 1:** Include Bootstrap and jQuery CDN into the head tag before all other stylesheets to load our CSS.

**Step 2:** Add div tag in the HTML body with class row. In that div create four div sections to create four images.

**Step 3:** Add “col-sm-6” and “col-md-3” to four div sections which creates webpage responsive.

**Step 4:** Add “a” tag with class value thumbnail to define the link of the image in the next line

**8 In Bootstrap 4, what is flexbox?**

**Ans:**

Flexbox is a CSS layout module that provides a flexible way to arrange items on a web page. It's particularly useful for creating responsive layouts that adapt well to different screen sizes. Bootstrap 4 incorporates Flexbox into its grid system and components to enhance their responsiveness and flexibility.

**9 How can one create an alert in Bootstrap?**

**Ans:**

Bootstrap provides a simple and effective way to create alerts, which are used to provide feedback or information to the user. Here's how you can create an alert:

Pre:

<div class="alert alert-primary" role="alert">

Primary alert

</div>