**1)What are the Advantages of Bootstrap?**

**Ans -**Easy to use: Anybody with just basic knowledge of HTML and CSS can start using Bootstrap.

- Responsive features: Bootstrap's responsive CSS adjusts to phones, tablets, and desktops.

-Mobile-first approach: In Bootstrap, mobile-first styles are part of the core framework.

-Browser compatibility: Bootstrap 4 is compatible with all modern browsers (Chrome, Firefox, Internet Explorer 10+, Edge, Safari, and Opera)

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

**Ans :**Containers are **used to pad the content inside of them**, and there are two container classes available: The **.container** class provides a responsive fixed width container. The **.container-fluid** class provides a full width container, spanning the entire width of the viewport

**3) What are the default Bootstrap text settings?**

**Ans :**Bootstrap uses a **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 :Bootstrap's grid system **uses a series of containers, rows, and columns to layout and align content**. It's built with flexbox and is fully responsive 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. Bootstrap’s grid system can adapt across all six default breakpoints, and any breakpoints you customize. The six default grid tiers are as follow:

* Extra small (xs)
* Small (sm)
* Medium (md)
* Large (lg)
* Extra large (xl)
* Extra extra large (xxl)

The classes above can be combined to create more dynamic and flexible layouts.

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

Bootstrap 5 vs. Bootstrap 3 & 4

Bootstrap 5 is the newest version of Bootstrap; with new components, faster stylesheet and more responsiveness.

Bootstrap 5 supports the latest, stable releases of all major browsers and platforms. However, Internet Explorer 11 and down is not supported.The main differences between Bootstrap 5 and Bootstrap 3 & 4, is that Bootstrap 5 has switched to JavaScript instead of jQuery.

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

**Ans:**“Button Groups” in Bootstrap is a class of name “**btn-group” which is used to create series of buttons in groups (without spaces) vertically or horizontally**. This is the basic syntax of the button group class where each button has its own class of “btn”

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

**Ans :**We can use .img-thumbnail to give an image a rounded 1px border appearance.

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

**Ans :Bootstrap 4 now uses flexbox, instead of floats, to handle the layout**. The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning. Quickly manage the layout, alignment, and sizing of grid columns, navigation, components, and more with a full suite of responsive flexbox utilities. For more complex implementations, custom CSS may be necessary. Responsive variations also exist for **.d-flex and .d-inline-flex.**

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

**Ans :**Provide contextual feedback messages for typical user actions with the handful of available and flexible alert messages. Alerts are available for any length of text, as well as an optional dismiss button. <div class="alert alert-success alert-dismissible fade show">

<button type="button" class="btn-close" data-bs-dismiss="alert"></button>

<strong>Success!</strong> This alert box could indicate a successful or positive action.

</div>

**10) What is a bootstrap card and how would you create one?**

**Ans:**A card is **a flexible and extensible content container**. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options.

<div class="card" style="width:25%; float:left;">

<img src="img.jpg" class="card-img-top">

<div class="card-body">

<h4 class="card-title">Card Title</h4>

<div class="card-text">Card Text</div>

<a href="#" class="btn btn-primary stretched-link">Click Here</a>

</div></div>