1. What are the advantages of Bootstrap?

* Bootstrap has many advantages, including:
* Browser compatibility
* Bootstrap works across browsers, including Google Chrome, Firefox, Safari, and Internet Explorer.
* Customizable
* Bootstrap is highly customizable, allowing developers to modify the framework to create a website that suits their needs.
* Responsive features
* Bootstrap's grid system creates flexible layouts that adapt to different screen sizes and devices.
* Easy to use
* Bootstrap is easy to use and integrate with almost all types of frameworks.
* Consistency
* Bootstrap ensures consistency across platforms, so output remains the same regardless of the browser being used.
* Saves time and effort
* Bootstrap offers a variety of predefined elements, such as buttons, forms, cards, and navbars, so developers don't have to write a lot of code from scratch.
* Large community
* Bootstrap has a large and active community of developers and designers who contribute to its documentation, updates, and extensions.

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

* Containers are the most basic layout element in Bootstrap and are required when using our default grid system. Containers are used to contain, pad, and (sometimes) center the content within them. While containers can be nested, most layouts do not require a nested container.

1. What are the default Bootstrap text settings?

* Bootstrap 4 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).

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

* 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. Below is an example and an in-depth look at how the grid comes together.

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

* Key Differences Between Bootstrap 4 and Bootstrap 5:Bootstrap 5 has removed the jQuery dependency, aiming for a more modern and lightweight approach. Utility Classes: Bootstrap 5 introduces more utility classes, making it easier to apply styles directly in the HTML without the need for custom CSS.

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

* “Button Groups” in Bootstrap is a class of name “btn-group” which is used to create a series of buttons in groups (without spaces) vertically or horizontally.

1. How can you use Bootstrap to make thumbnails?

* Images in Bootstrap are made responsive with .img-fluid. max-width: 100%; and height: auto; are applied to the image so that it scales with the parent element.
* <img src="..." class="img-fluid" alt="Responsive image">

1. In Bootstrap 4, what is flexbox?

* In Bootstrap 4, flexbox is a layout method that uses the Flexible Box Layout Module (CSS3) to arrange items in rows or columns:
* **What it does**: Flexbox distributes space between items and allows them to expand or shrink to fit the available space.
* **How it's used**: Bootstrap 4 uses flexbox instead of floats to handle layout.
* **How to use it**: You can use various classes to control how flex items are displayed, including:
* **Direction**: Use .flex-row to display items horizontally, or .flex-column to display them vertically.
* **Alignment**: Use .justify-content-\* classes to change the alignment of items.
* **Width**: Use .flex-fill to force items to be the same width.
* **Growth**: Use .flex-grow-1 to make an item take up the rest of the space.
* **Order**: Use .order classes to change the visual order of items.
* **Margins**: Use .mr-auto to push items to the right, or .ml-auto to push them to the left.
* **Wrapping**: Use .flex-nowrap for no wrapping, or .flex-wrap for wrapping.

1. How can one create an alert in Bootstrap?

* We will use the. alert class along with the contextual classes that are used to display the alert message in the application.
* The alert classes like. alert-success, .alert-info, .alert-warning, .alert-danger, .alert-primary,....
* We will generate the dynamic alert message when the user clicks on the button.

1. What is a bootstrap card and how would you create one?

* A card is a flexible and extensible content container.

It replaces the use of panels, wells and thumbnails.

* The building block of a card is the card-body within the parent class card.
* The card-title is used to give a title to the card and card-link is used to provide link to the card if required in it.