Q1) What are the advantages of Bootstrap?

Ans) Browser compatibility: Bootstrap is compatible with Google Chrome, Firefox, Safari, and Internet Explorer.

Speed of development: Bootstrap provides ready-made blocks of code to help developers get started.

Customizable: Bootstrap can be customized to meet the needs of a project.

Responsiveness: Designs created with Bootstrap automatically adjust to different screen sizes and devices.

Frequent updates: Bootstrap releases updates more frequently than other frameworks.

Q2) What is a Bootstrap Container, and how does it work?

Ans) 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.

Q3) What are the default Bootstrap text settings?

Ans) Here are some default text settings for Bootstrap 4 and 5:

Font size: 16px

Line height: 1.5

Font family: "Helvetica Neue", Helvetica, Arial, sans-serif

<p> element margin: 0 for top, 1rem (16px) for bottom

Root font size: Browser's default, usually 16px

Q4) 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. Below is an example and an in-depth look at how the grid comes together. New to or unfamiliar with flexbox?

Q5) What is the difference between Bootstrap 4 and Bootstrap 5

Ans) Form elements

Bootstrap 4's form elements use the browser's default view, while Bootstrap 5's form elements have a custom design for a consistent look across browsers. Bootstrap 5 also provides advanced form features, RTL language switching, and theme customization.

JavaScript

Bootstrap 4 relies on jQuery for its JavaScript utilities, but Bootstrap 5 uses vanilla JavaScript instead. Bootstrap 5 is faster and lighter than previous versions, and it's not dependent on another library.

Grid system

Bootstrap 4 has a five-tier grid system, while Bootstrap 5 has a six-tier grid system.

Colors

Bootstrap 4 has limited colors, while Bootstrap 5 has an improved color palette with extra colors.

Q6) 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 a series of buttons in groups (without spaces) vertically or horizontally. Syntax: This is the basic syntax of the button group class where each button has its own class of "btn"

Q7) How can you use Bootstrap to make thumbnails?

Ans)  You need to update the anchor tag to a new div tag, which has . thumbnail as a class. In this div tag, we can add any media or text. This div tag is used for a span-based naming convention for sizing.

Q8) In Bootstrap 4, what is flexbox?

Ans) Flexbox. The biggest difference between Bootstrap 3 and Bootstrap 4 is that 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.

Q9) How can one create an alert in Bootstrap?

1. Ans) Load the alert plugin or the compiled Bootstrap JavaScript

2. Add a dismiss button

3. Add the data-dismiss="alert" attribute to the dismiss button

4. Use the .alert class along with one of the .alert-* classes to specify the kind of alert

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

Ans) To create Bootstrap cards, you need to understand the card class and its customizations and layouts. A basic Bootstrap card consists of a . card class with the . card-body class, allowing you to add text, images, links, and other Bootstrap elements within a rounded border.