1) What are the advantages of Bootstrap?

Ans) Easy to prevent repetitions among multiple projects

Responsive design that can be used to adapt screen sizes and choose what shows and what doesn’t on any given device

Maintaining consistency among projects when using multiple developer teams

Quick design of prototypes

Cross-browser compatibility

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

Ans) In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system).

The container class is used to create boxed content.

There are two container classes in Bootstrap:

* container
* container-fluid

3) What are the default Bootstrap text settings?

Ans) 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).

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

New to or unfamiliar with flexbox? Read this CSS Tricks flexbox guide for background, terminology, guidelines, and code snippets.

One of three columns

One of three columns

One of three columns

Copy

<div class="container">

<div class="row">

<div class="col-sm">

One of three columns

</div>

<div class="col-sm">

One of three columns

</div>

<div class="col-sm">

One of three columns

</div>

</div>

</div>

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

Ans)

|  |  |
| --- | --- |
| **Bootstrap 4** | **Bootstrap 5** |
| The Bootstrap 4 form has jquery. | The jquery is not utilized in Bootstrap 5. |
| Bootstrap 4 has less collection of colors. | Has vibrant and more colors available. |
| Browsers restrictions. | Bootstrap 5 improved the browser restriction. |
| It has 5 tier grid system. | It has 6 tier grid system. |
| The APIs cannot be customized. | Allows modifying APIs or develop own API. |
| The positioning feature is absent. | Columns can be positioned. |
| Less CSS usability. | More CSS properties also customized properties. |
| Uses default form development tools. | Better development of forms. |
| There is no offcanvas component. | The offcanvas component is added. |
| Bootstrap 4 provides normal form layout with no advance features. | Provides advance and attractive features to make forms. |
| Does not support RTL(right to left) switching in languages. | It supports RTL(right to left) switching in languages. |
| No themes customization. | Provides theme customization. |
| Small icon collection. | Large icon collection. |

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 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”.

<div class="btn-group">

<button type="button" class="btn">Click</button>

</div>

Buttons have a default border-radius on the first and last buttons of the group.

Adding Styles on Buttons: Bootstrap allows you to add styles to your buttons using the following classes:

* .btn-default
* .btn-primary
* .btn-success
* .btn-info
* .btn-warning
* .btn-danger
* .btn-link

Q7) • How can you use Bootstrap to make thumbnails? Ans) To create thumbnails using Bootstrap −

Add an <a> tag with the class of .thumbnail around an image.

This adds four pixels of padding and a gray border.

On hover, an animated glow outlines the image.

The following example demonstrates a default thumbnail −

Live Demo

<div class = "row">

<div class = "col-sm-6 col-md-3">

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

<img src = "/bootstrap/images/kittens.jpg" alt = "Generic placeholder thumbnail">

</a>

</div>

<div class = "col-sm-6 col-md-3">

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

<img src = "/bootstrap/images/kittens.jpg" alt = "Generic placeholder thumbnail">

</a>

</div>

<div class = "col-sm-6 col-md-3">

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</div>

<div class = "col-sm-6 col-md-3">

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

<img src = "/bootstrap/images/kittens.jpg" alt = "Generic placeholder thumbnail">

</a>

</div>

</div>

Q8) In Bootstrap 4, what is flexbox?

Ans) the flexbox display utilities like d-flex and d-inline-flex to display the flexbox container and children elements into flex items. You can set the direction of flex items in horizontal direction and vertical direction by using .flex-row (use .flex-row-reverse to display horizontal direction from the opposite side) and .flex-column (use .flex-column-reverse to display vertical direction from the opposite side) classes respectively

Q9) How can one create an alert in Bootstrap?

Ans) Alerts are created with the .alert class, followed by one of the four contextual classes .alert-success, .alert-info, .alert-warning or .alert-danger

<div class="alert alert-success">

<strong>Success!</strong> Indicates a successful or positive action.

</div>

<div class="alert alert-info">

<strong>Info!</strong> Indicates a neutral informative change or action.

</div>

<div class="alert alert-warning">

<strong>Warning!</strong> Indicates a warning that might need attention.

</div>

<div class="alert alert-danger">

<strong>Danger!</strong> Indicates a dangerous or potentially negative action.

</div>

Q10) What is a bootstrap card and how would you create one?

Ans) 

