

Module (Bootstrap Basic & Advanced) – 6

Que.1 What are the advantages of Bootstrap?

Ans.1 Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites. The advantage of Bootstrap are listed below:

1. easy to initiation
2. Responsiveness
3. Highly customizable
4. Extremely user-centric
5. Top-notch support
6. Cross-browser compatibility
7. JavaScript plugins to your rescue
8. Far-reaching popularity
9. Ample documentation
10. Updates at the doorstep

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

Ans.2 Bootstrap containers are a fundamental part of the Bootstrap grid system, which is used for creating responsive and mobile-first web layouts. Containers are used to wrap site contents and provide consistent padding and margins. They ensure proper alignment and padding of the content within them, and also help in centering the content on the page.

The way they work is by providing a consistent way to structure and organize content on a web page, making it easier to create responsive and visually appealing layouts across different devices and screen sizes. By using containers, developers can ensure that their content is properly aligned and spaced, regardless of the device being used to view the website.

Que.3 What are the default Bootstrap text settings?

Ans.4 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.

Que.4

Ans.4

What do you know about the Bootstrap Grid System?

Bootstrap's grid system is responsive, and the columns will rearrange depending on the screen size: On a big screen it might look better with the content organized in three columns, but on a small screen it would be better if the content items were stacked on top of each other.

Que.5

Ans.5

What is the difference between Bootstrap 4 and Bootstrap 5

Sr.NO	Bootstrap 4	Bootstrap 5
1	It has 5 tier (xs, sm, md, lg, xl).	It has 6 tier (xs, sm, md, lg, xl, xxl).
2	It has limited colors.	there are various shades available to choose.
3	It has jquery and all related plugins.	Jquery is removed and switched to vanilla JS with some working plugins
4	Radio buttons, checkboxes have different look in different OS and browsers. The form uses whatever default browsers provide.	The look of form elements will not change, on different OS or browser. The forms can be customized and form controls can be added, they would not depend on browser.
5	Columns can be positioned relative	Columns cannot be positioned relative
6	Bootstrap 4 doesn't have its own SVG icons, we have to use font-awesome for icons.	Bootstrap 5 have its own SVG icons
7	Bootstrap 4 uses Jekyll software.	Bootstrap 5 uses Hugo software as it is fast static site generator.
8	Bootstrap 4 supports both IE 10 and 11.	Bootstrap 5 doesn't support IE 10 and 11.

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

Ans.6 "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: <div class=" btn-group">
<button type=" button" class= "btn" > Click </button>
</div>

You can add styles to your buttons using the following classes:

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

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

Ans.7 In Bootstrap, Thumbnail is a border which is around the image. It is created using the .img-thumbnail class. To create this image thumbnail you can use the .img-thumbnail class.

Syntax:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Thumbnail Assignment</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
"></script>
</head><body>

  <div class="container">
    <h1 style="color:green;"> Bootstrap </h1>

    <h2 style="color:rgb(156, 16, 16)"> Thumbnail
    </h2>
    
  </div>

</body></html>
```

Que.8 In Bootstrap 4, what is flexbox?

Ans.8 In Bootstrap 4, flex box is used to control the layout and alignment specification of Bootstrap 4 components. This box makes it easier to design flexible responsive layout structures without using float or positioning attributes.

Que.9 How can one create an alert in Bootstrap?

Ans.9

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></scrip
t>
</head>
<body>

<div class="container">
  <h2>Alert </h2>

  <div class="alert alert-success">
    <strong>Success!</strong> </div>
  <div class="alert alert-info">
    <strong>Information!</strong>
  </div>
  <div class="alert alert-warning">
    <strong>Warning!</strong>
  </div>
  <div class="alert alert-danger">
    <strong>Danger!</strong>
  </div>
</div>

</body>
</html>
```

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

Ans.10 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.

It replaces the use of panels, wells and thumbnails. All of it can be used in a single container called card.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Card Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
"></script>
</head>
<body>

<div class="container mt-3">
  <h2>Project Manager </h2>
  <p>Working as a Project Manager in the Rural Development</p>
  <div class="card" style="width:400px">
    
    <div class="card-body">
      <h4 class="card-title">Payalba</h4>
      <p class="card-text">One of the best programming skills you can have is
knowing when to walk away for a while.</p>
      <a href="#" class="btn btn-primary">See Profile</a>
    </div>
  </div>
  <br>

</body>
</html>
```