**Module 8) Bootstrap Basic & Advanced**

1. **What are the advantages of Bootstrap?**

* Responsiveness.
* Highly customizable.
* Extremely user-centric.
* Top-notch support.
* Cross-browser compatibility.
* JavaScript plugins to your rescue.
* Far-reaching popularity.

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

A Bootstrap container is a class that is used to creat a fixed-width

container for your content.it helps to ensure that your content is

properly aligned and spaced on the page.

Ex:-<div class=”container”></div>

**3)what are the default Bootstrap text Setting?**

The default Bootstrap text setting is left-aligned with a font size of

16px and a line height of 1.5.

**4)What do you know about the Bootstrap Grid System?**

The Bootstrap grid system is a powerful tool that allows you to

create responsive and mobile-first layouts .It is based on a 12-column

grid that can be customized to fit your needs.You can use it to create

complex layout that work well on all devices.

5)What is defference between Bootstrap 4 and Bootstrap 5.

Bootstrap 5 is the latest version of the Bootstrap framework and it

has some differences from Bootstrap 4. Some of the main differences

are

1. Bootstrap 5 has dropped support for Internet Explorer 10 and 11.

2. Bootstrap 5 has a new default font family, Inter.

3. Bootstrap 5 has a new color palette with more shades of gray and a

new green color.

4. Bootstrap 5 has a new utility class called “gap” that makes it easier to

add space between elements.

5. Bootstrap 5 has a new utility class called “overflow” that makes it

easier to control overflow on elements.

6. Bootstrap 5 has a new utility class called “rounded”that makes it

easier to add rounded corners to elements.

7. Bootstrap 5 has removed some classes that were deprecated in

Bootstrap 4.

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

A button Group is a set of buttons that are grouped together .They

can be used to create a set of related buttons ,such as a group of filters

or a set of navigation buttons.The class for a basic button group in

Bootstrap is “btn-group”.

**Example:**

<div class="btn-group" role="group" aria-label="Basic example">

<button type="button" class="btn-btn-primary">left</button>

<button type="button" class="btn-btn-primary">middle</button>

<button type="button" class="btn-btn-primary">right</button>

</div>

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

<!DOCTYPE html>

<html>

<head>

<title>Thumbnail Example</title>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/css/bootstrap.min.css">

</head>

<body>

<!-- Your thumbnail code goes here -->

<div class="container">

<div class="row">

<!-- Thumbnail elements will be placed here -->

</div>

</div>

<div class="container">

<div class="row">

<div class="col-md-4">

<div class="thumbnail">

<img src="path/to/image.jpg" alt="Thumbnail Image">

<div class="caption">

<h3>Thumbnail Title</h3>

<p>Thumbnail description goes here.</p>

</div>

</div>

</div>

<!-- Add more thumbnail columns as needed -->

</div>

</div>

</body>

</html>

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

In Bootstrap 4, Flexbox is a powerful layout mechanism that allows

you to create flexible and responsive layouts. It is a CSS3 layout mode

that provides an efficient and powerful way to arrange and align

elements within a container. Flexbox allows you to create complex

layouts with ease, and it is particularly useful for creating responsive

designs that work well on all devices. It provides a set of CSS properties

that allow you to control the layout and alignment of elements within a

container.

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

You can create an alert in Bootstrap by adding the “alert” class to a

div element, and then adding one of the contextual classes (such as

“alert-success” “alert-info”,”alert-warning or “alert-danger”) to

specify the color of the alert.

example:- html

<div class="alert alert-success" role="alert">

This Is a success alert !

</div>

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

create one?

To create a Bootstrap card, you can use the “card” class on a div

element, and then add child elements to create the content of the card.

example:-

html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <div class="card">

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

        <div class="card-body">

            <h5 class="card-title">Card title</h5>

            <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Ad voluptatem voluptatum, similique ipsa, sed fugiat error soluta quas delectus veritatis dolorem! Temporibus dolorem adipisci consequatur unde ullam alias atque minus?</p>

            <a href="#" class="btn-btn-primary">Go somewhere</a>

        </div>

    </div>

</body>

</html>