***Module 8) Bootstrap Basic & Advanced***

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

=>Bootstrap is a powerful tool that can help you create responsive and mobile-first websites. It also has a lot of pre-built components and templates that can save you a lot of time.

2)**What is a Bootstrap Container, and how does work 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”.

Ex:- <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 lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Thumbnail</title>

    <link rel="stylesheet" href="css/bootstrap.min.css">

    <script src="js/bootstrap.min.js"></script>

</head>

<body>

    <div class="container-fluid d-flex">

        <div class="container mt-3">

          <img src="image/banner.jpg" class="img-thumbnail" alt="Cinque Terre" width="304" height="236">

          <h2>Thumbnail</h2>

          <p>The .img-thumbnail class creates a thumbnail of the image:</p>

        </div>

        <div class="container mt-3">

          <img src="image/banner.jpg" class="img-thumbnail" alt="Cinque Terre" width="304" height="236">

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        </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

<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">Some quick example text to build on the card title and make up the bulk of the card's content.</p>

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

</div>

</div>