**Bootstrap Assignment**

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

* **Responsive Design:** Bootstrap provides a responsive grid system and predefined classes for making your website. We can easy to create resopnsive design using bootstrap.
* **Time Efficiency:** Bootstrap comes with a set of pre-designed components and templates, such as buttons, forms, navigation bars, etc. So... this saves davelopers time.
* **Cross-browser Compatibility:** Bootstrap is designed to be compatible with all modern browsers, including Chrome, Firefox, Safari, and Edge.

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

* **Bootstrap Container :** Containers are the most basic layout element in Bootstrap and are **required when using our default grid system.** It helps control the layout and alignment of elements on the page.
* **How does it work :**

1. Used for Fixed width.
2. Responsive Behavior.
3. Set padding and margin.
4. Center containt.
5. Grid system alignment.
6. **What are the default Bootstrap textsettings?**

* **Default Text Setting:**

1. Font Size.
2. Font Weight.
3. Text Decoration.
4. Text color.
5. Text Alignment.
6. **What do you know about the Bootstrap Grid System?**

* The Bootstrap Grid System is a powerful layout system that allows developers to create responsive and flexible designs for websites and web applications.
* The grid layout is used for design the containers, rows, and colums.

1. **What is the difference between Bootstrap 4 and Bootstrap 5?**

* Bootstrap 4 relies on jQuery for certain features and functionality, while Bootstrap 5 has removed this dependency, making it lighter and more modern.
* Bootstrap 4 has five levels like xs, sm, md, xl, and lg. And Bootstrap 5 has six levels like xs, sm, md, xl, lg and xxl.

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

* “Button Groups” in Bootstrap is a class of name “btn-group” which is used to create a series of buttons in groups.
* It is create a series of buttons in groups withou space and vertically or horizontally.
* Example:

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

    <button type="button" class="btn btn-primary">First Button</button>

    <button type="button" class="btn btn-secondary">Second Button</button>

    <button type="button" class="btn btn-success">Third Button</button>

</div>

1. **How can you use Bootstrap to make thumbnails?**

<div class="container">

        <div class="row">

            <div class="col-md-4">

                <div class="card">

                    <img src="image1.jpg" class="card-img-top" alt="Thumbnail 1">

                    <div class="card-body">

                        <h5 class="card-title">Thumbnail 1</h5>

                        <p class="card-text">Description for Thumbnail 1.</p>

                    </div>

                </div>

            </div>

            <div class="col-md-4">

                <div class="card">

                    <img src="image2.jpg" class="card-img-top" alt="Thumbnail 2">

                    <div class="card-body">

                        <h5 class="card-title">Thumbnail 2</h5>

                        <p class="card-text">Description for Thumbnail 2.</p>

                    </div>

                </div>

            </div>

        </div>

    </div>

1. **In Bootstrap 4, what is flexbox?**

* In Bootstrap 4, Flexbox refers to the Flexible Box Layout module, a powerful CSS layout system that allows you to design complex and responsive layouts with ease.
* Flexbox provides a more efficient way to distribute space among items in a container and align them in various ways, including horizontally and vertically.
* With Flexbox in Bootstrap 4, you can create flexible and dynamic layouts that adapt to different screen sizes and devices, providing a better user experience across the web.

1. **How can one create an alert in Bootstrap?**

<div class="container">

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

        A simple primary alert—check it out!

    </div>

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

        A simple secondary alert—check it out!

    </div>

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

        A simple success alert—check it out!

    </div>

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

        A simple danger alert—check it out!

    </div>

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

        A simple warning alert—check it out!

    </div>

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

        A simple info alert—check it out!

    </div>

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

        A simple light alert—check it out!

    </div>

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

        A simple dark alert—check it out!

    </div>

</div>