**MODULE: 6 (Bootstrap Basic & Advance):-**

1. What are the advantages of Bootstrap?

Ans: 1) Faster and easier web development.

2) Include HTML and CSS based Design templates

3) Also gives you the create a responsible design

4) Responsive Features

5) Mobile-First Approach

6) Browser Compatibility (support in Chime, Firefox, Edge, Safari and opera)

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

Ans: 1. the .container class provides a responsible fixed Width container.

The .container.fluid class provides a full width container, spanning the entire width of the viewport.

3. What are the default Bootstrap text settings?

Ans: in Bootstrap 5 Uses a default font-size of 16px by default and its line-height is 1.5

<p> elements have margin-top: 0 and margin-bottom:1 rem

4. What do you know about the Bootstrap Grid System?

Ans: Bootstrap system allows up to 12 columns across the page

If you also can group the column’s together to create winder column’s.

Grid system has six classes:

1) .col-(Screen width less than 576px)

2) .col-sm- (Screen width Equal to or greater than 576px)

3) .col-md- (Screen width Equal to or greater than 768px)

4) .col-lg- (Screen width Equal to or greater than 992px)

5) .col-xl- (Screen width Equal to or greater than 1200px)

6) .col-xxl- (Screen width Equal to or greater than 1400px

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

Ans: Some of the key differences between Bootstrap 4 and Bootstrap 5 include:

1. Smaller CSS file size: Bootstrap 5 has a smaller CSS file size compared to Bootstrap 4, which means faster loading times and improved website performance.
2. Improved grid system: Bootstrap 5 has an improved grid system that allows for greater flexibility and customization. It includes a new gap utility class that simplifies the process of adding space between grid columns.
3. Updated utility classes: Bootstrap 5 has updated and streamlined its utility classes, making it easier for developers to apply and customize styles.
4. New components: Bootstrap 5 introduces several new components, including a floating label form control, an off-canvas component, and a switch component.
5. Dropped jQuery dependency: Bootstrap 5 has dropped its dependency on jQuery, which means it is more lightweight and faster.

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

Ans: A button group is a set of related buttons that are grouped together and share a common styling. They are commonly used in forms, toolbars, and other UI elements where a group of buttons need to be displayed together.

In Bootstrap, the class for a basic button group is .btn-group .This class can be used to group a set of <button> elements together to create a button group.

7. How can you use Bootstrap to make thumbnails?

Ans: **Step 1:** Include Bootstrap and jQuery CDN into the <head> tag before all other stylesheets to load our CSS.

**Step 2:** Add <div> tag in the HTML body with class row. In that <div> create four *div*sections to create four images.

**Step 3:** Add “col-sm-6” and “col-md-3” to four *div* sections which creates webpage responsive.

8. In Bootstrap 4, what is flexbox?

Ans: The biggest difference between Bootstrap 3 and Bootstrap 4 is that Bootstrap 4 now uses flexbox, instead of floats, to handle the layout. The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning

9. How can one create an alert in Bootstrap?

Ans: How can one create an alert in Bootstrap:

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

This is a primary alert—check it out!

</div>

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

Ans: A Bootstrap card is a flexible and extensible content container that can be used to display various types of content, such as images, text, buttons, and links, in a consistent and organized way. Cards are a fundamental building block in Bootstrap and can be used to create different types of user interface components, such as product listings, blog posts, social media feeds, and more.

Example:

<div class="card" style="width: 18rem;">

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

<div class="card-body">

<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>

</div>

</div>