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

**ANS.1**

* Easy to prevent repetitions among multiple projects.
* Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device.
* Maintaining consistency among projects when using multiple developer teams.
* Quick design of prototypes.

**ANS.2**

**Bootstrap Containers** are the most basic layout element in Bootstrap. Bootstrap **Containers**are very essential and basic building blocks of bootstrap that wrap a page’s content. It’s responsible for setting and aligning content within it according to viewport or given device. Containers are defined within the container class **(.container)**. In other words, we can say that containers are established the width for the layout to give the content. Elements and content are added within the container.

**Containers are used for many purposes such as –**

* It requires use with the default grid system.
* To establish width for the layout to give web content.
* To provide responsive fixed behaviour of any web project.
* To sets the content margin dealing with the responsive behaviour of your layout.

Bootstrap has the default class or predefined class is ***“.container”***& ***“.container-fluid”***class for  layout. Containers are used to contain, pad, and (sometimes) centre the content within them. While containers can be nested, most layouts do not require a nested container.

**ANS.3**

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. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default)

**ANS.4**

Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with flexbox and is fully responsive. Below is an example and an in-depth look at how the grid comes together. New to or unfamiliar with flexbox?

**ANS.5**

The form elements in Bootstrap 4 have defaulted to the browser-provided view. However, in Bootstrap 5, the form elements have a custom design that enables them to have a consistent look and feel in all browsers. The new form controls are based on completely semantic, standard form controls.

**ANS.6**

Button groups allow multiple buttons to be stacked together on a single line. This is useful when you want to place items like alignment buttons together. You can add on optional JavaScript radio and checkbox style behavior with Bootstrap Button Plugin. This class is used for a basic button group.

**ANS.7**

1. Add an <a> tag with the class of . thumbnail around an image.
2. This adds four pixels of padding and a gray border.
3. On hover, an animated glow outlines the image.

**ANS.8**

Flexbox is used to quickly manage the layout, alignment and sizing of grid columns, navigation, components, and more with a full suite of responsive flexbox utilities. You can also do complex implementations using custom CSS. Flexbox Properties: Enable flex behaviours.

**ANS.9**

**Bootstrap** provides an easy way **to create** predefined **alert** messages: × Success! This **alert** box indicates **a** successful or positive action. × Info! This **alert** box ...

**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. If you're familiar with Bootstrap 3, cards replace our old panels, wells, and thumbnails.