**Module 8) Bootstrap Basic & Advanced**

1.What are the advantages of Bootstrap?

Advantages of bootstrap are given below:

-Saving time and efforts by providing read made componets and style.

-Ensures consistency and compatibility

-Pre-madde potions

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

Bootstrap container means, it is used to wrap the content inside of them.

Types of containers are explained below:

1.Fixed container: .container-used for making responsive

<div class="container">

<h1>My First Bootstrap Page</h1>

<p>Khyati Tripathi</p>

</div>

2.Fluid container: .container-fluid used for making full width container.

For example:

<div class="container-fluid">

<h1>My First Bootstrap Page</h1>

<p>Khyati Tripathi</p>

</div>

3. What are the default Bootstrap text settings?

Bootstrap 4 uses a default font size of 16px with the line-height of 1.5.

Default font-family is Helvetica Neue, arial, sans-serif.

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

Bootstrap grid system allows up to 12 columns across the page.

It is a responsive system and the columns will re-arrange depending on the screen size.

Structure of a grid is:

<div class="container">

<div class="row">

<div class="col-\*-\*"></div>

<div class="col-\*-\*"></div>

</div>

<div class="row">

<div class="col-\*-\*"></div>

<div class="col-\*-\*"></div>

<div class="col-\*-\*"></div>

</div>

<div class="row">

...

</div>

</div>

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

The difference between bootstrap 4 and bootstrap 5 is given below:

|  |  |  |
| --- | --- | --- |
| Parameter | Bootstrap 4 | Bootstrap 5 |
| Grid system | 4 tier | 6 tier |
| Internet Explorer | Supports both IE10 and 11 | Doesn’t support  IE10 and 11 |
| Color | Limited colors | Extra colors added with the looks |
| Jquery | It has Jquery and all related plugins | Jquery is removed and switched to vanila js with some working plugins |
| Vertical classes | Columns can be positioned relative | Columns cannot be positioned relative. |

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

Button group means it will group a numbers of button in a single line.

Class for a basic button group is .btn-group.

For Example:

<div class="btn-group">

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

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

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

</div>

6. How can you use Bootstrap to make thumbnails?

To make a thumbnails we can use given example:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport"

content="width=device-width, initial-scale=1">

<link rel="stylesheet"

href=

"https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<script src=

"https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">

</script>

<script src=

"https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js">

</script>

<script src=

"https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js">

</script>

</head>

<body>

<center>

<div class="container">

<h2 style="color:white">

Thumbnail

</h2>

<img src="https://helpx.adobe.com/content/dam/help/en/photoshop/using/convert-color-image-black-white/jcr\_content/main-pars/before\_and\_after/image-before/Landscape-Color.jpg">

class="img-thumbnail"

alt="GFG"

width="200"

height="200">

</div>

</center>

</body>

</html>

7.In Bootstrap 4, what is flexbox?

In Bootstrap 4 flexbox is a layout module which makes easier to design flexible responsive layout structure without using float or positioning.

For Example:

<div class="d-flex p-3 bg-secondary text-white">

<div class="p-2 bg-info">Flex item 1</div>

<div class="p-2 bg-warning">Flex item 2</div>

<div class="p-2 bg-primary">Flex item 3</div>

</div>

8.How can one create an alert in Bootstrap?

Types of alert in Bootstrap is given below:

Success-used for positive action

Info-used to give neutral informative change or action

Warning-used for warnings

Danger-used for indicating negative action

For Example:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<h2>Alerts</h2>

<div class="alert alert-success">

<strong>Success!</strong> This alert box could indicate a successful or positive action.

</div>

<div class="alert alert-info">

<strong>Info!</strong> This alert box could indicate a neutral informative change or action.

</div>

<div class="alert alert-warning">

<strong>Warning!</strong> This alert box could indicate a warning that might need attention.

</div>

<div class="alert alert-danger">

<strong>Danger!</strong> This alert box could indicate a dangerous or potentially negative action.

</div>

</div>

</body>

</html>

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

A bootstrap card is a bordered box with some padding around its content along with headers, footers, content, colors etc.

For Example:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Card</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">

<script src="https://cdn.jsdelivr.net/npm/jquery@3.6.4/dist/jquery.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="container">

<h2>Basic Card</h2>

<div class="card">

<div class="card-body">Basic card</div>

</div>

</div>

</body>

</html>