

LAB PROGRAM-1

1) Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Headings.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Bootstrap 5.0 Headings Demo</title>
<!-- Bootstrap CSS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<div class="container mt-5">
<h1 class="display-1">Heading 1</h1>
<h1 class="display-2">Heading 2</h1>
<h1 class="display-3">Heading 3</h1>
<h1 class="display-4">Heading 4</h1>
<h1 class="display-5">Heading 5</h1>
<h1 class="display-6">Heading 6</h1>
</div>
<!-- Bootstrap Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

LAB PROGRAM-2

2) Develop a Web Page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Text and Fonts.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Bootstrap 5.0 Text and Fonts Demo</title>
<!-- Bootstrap CSS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<div class="container mt-5">
<h1>Text Colors</h1>
<p class="text-primary">Primary text color</p>
<p class="text-secondary">Secondary text color</p>
<p class="text-success">Success text color</p>
<p class="text-danger">Danger text color</p>
<p class="text-warning">Warning text color</p>
<p class="text-info">Info text color</p>
<p class="text-light bg-dark">Light text color on dark background</p>
<p class="text-dark">Dark text color</p>
<p class="text-muted">Muted text color</p>
<p class="text-white bg-dark">White text color on dark background</p>

<h1>Font Weight</h1>
<p class="fw-light">Light font weight</p>
<p class="fw-normal">Normal font weight</p>
<p class="fw-bold">Bold font weight</p>
```

```
<h1>Font Style</h1>
```

```
<p class="fst-italic">Italic font style</p>
```

```
<p class="fst-normal">Normal font style</p>
```

```
</div>
```

```
<!-- Bootstrap Bundle with Popper -->
```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```

LAB PROGRAM-3

3) Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Lists, Colors and Bootstrap Buttons.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Bootstrap Demo</title>
<!-- Bootstrap CSS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<div class="container mt-5">
<h2>Bootstrap 5.0 Demo</h2>

<!-- List Group -->
<h3 class="mt-4">List Group</h3>
<ul class="list-group">
<li class="list-group-item">Item 1</li>
<li class="list-group-item">Item 2</li>
<li class="list-group-item">Item 3</li>
</ul>

<!-- Colors -->
<h3 class="mt-4">Colors</h3>
<div class="bg-primary text-white p-3 mb-3">Primary Color</div>
<div class="bg-secondary text-white p-3 mb-3">Secondary Color</div>
<div class="bg-success text-white p-3 mb-3">Success Color</div>
<div class="bg-danger text-white p-3 mb-3">Danger Color</div>
<div class="bg-warning text-dark p-3 mb-3">Warning Color</div>
```

```
<div class="bg-info text-white p-3 mb-3">Info Color</div>
<div class="bg-light text-dark p-3 mb-3">Light Color</div>
<div class="bg-dark text-white p-3 mb-3">Dark Color</div>
```

```
<!-- Buttons -->
```

```
<h3 class="mt-4">Buttons</h3>
```

```
<button type="button" class="btn btn-primary me-2">Primary Button</button>
```

```
<button type="button" class="btn btn-secondary me-2">Secondary Button</button>
```

```
<button type="button" class="btn btn-success me-2">Success Button</button>
```

```
<button type="button" class="btn btn-danger me-2">Danger Button</button>
```

```
<button type="button" class="btn btn-warning me-2">Warning Button</button>
```

```
<button type="button" class="btn btn-info me-2">Info Button</button>
```

```
<button type="button" class="btn btn-light me-2">Light Button</button>
```

```
<button type="button" class="btn btn-dark">Dark Button</button>
```

```
</div>
```

```
<!-- Bootstrap JS (Optional, for certain components like dropdowns, modals, etc.) -->
```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```

LAB PROGRAM-4

4) Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Borders, Margins and Paddings.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Bootstrap 5.0 Demo</title>
<!-- Correct Bootstrap CSS CDN -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">

<style>
/* Custom styles to demonstrate spacing */
.custom-border {
  border: 2px solid red;
}
</style>
</head>
<body>
<div class="container mt-5">
<h1>Bootstrap 5.0 Demo</h1>

<h2>Borders</h2>
<div class="border border-primary p-3 mb-3">
  Border Example
</div>

<h2>Margins</h2>
<div class="border border-dark p-3 mb-3">
  <div class="m-2 bg-info">Margin Example</div>
```

```
</div>
```

```
<h2>Paddings</h2>
```

```
<div class="border border-danger p-3 mb-3">
```

```
  <div class="p-2 bg-warning">Padding Example</div>
```

```
</div>
```

```
<h2>Custom Border</h2>
```

```
<div class="custom-border p-3 mb-3">
```

```
  Custom Border Example
```

```
</div>
```

```
</div>
```

```
<!-- Correct Bootstrap JS Bundle (Includes Popper) -->
```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```

LAB PROGRAM-5

5) Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Containers.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bootstrap Containers Example</title>
  <!-- Correct Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>

  <!-- Default Container -->
  <div class="container bg-light p-3 my-3">
    <h1>Default Container</h1>
    <p>This is a responsive, fixed-width container. It adjusts its size at different breakpoints.</p>
  </div>

  <!-- Fluid Container -->
  <div class="container-fluid bg-primary text-white p-3 my-3">
    <h1>Fluid Container</h1>
    <p>This container spans the entire width of the viewport, regardless of its size.</p>
  </div>

  <!-- Small Container -->
  <div class="container-sm bg-secondary text-white p-3 my-3">
    <h1>Small Container</h1>
    <p>This container will be 100% wide until the 'sm' breakpoint is reached (576px).</p>
  </div>
```

```
<!-- Medium Container -->
<div class="container-md bg-success text-white p-3 my-3">
  <h1>Medium Container</h1>
  <p>This container will be 100% wide until the 'md' breakpoint is reached (768px).</p>
</div>

<!-- Large Container -->
<div class="container-lg bg-danger text-white p-3 my-3">
  <h1>Large Container</h1>
  <p>This container will be 100% wide until the 'lg' breakpoint is reached (992px).</p>
</div>

<!-- Extra Large Container -->
<div class="container-xl bg-warning text-dark p-3 my-3">
  <h1>Extra Large Container</h1>
  <p>This container will be 100% wide until the 'xl' breakpoint is reached (1200px).</p>
</div>

<!-- Extra Extra Large Container -->
<div class="container-xxl bg-info text-white p-3 my-3">
  <h1>Extra Extra Large Container</h1>
  <p>This container will be 100% wide until the 'xxl' breakpoint is reached (1400px).</p>
</div>

<!-- Correct Bootstrap JS Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>

</body>
</html>
```

LAB PROGRAM-6

6) Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Grid System.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bootstrap 5 Grid System Demo</title>
  <!-- Bootstrap 5 CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">
  <style>
    /* Custom styling for visualization */
    .custom-box {
      border: 1px solid #000;
      padding: 20px;
      text-align: center;
      background-color: #f8f9fa;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1 class="text-center my-4">Bootstrap 5 Grid System Demo</h1>

    <!-- First Row with Equal Columns -->
    <div class="row mb-3">
      <div class="col custom-box">Col 1</div>
      <div class="col custom-box">Col 2</div>
      <div class="col custom-box">Col 3</div>
    </div>
```

<!-- Second Row with Different Column Sizes -->

```
<div class="row mb-3">
```

```
  <div class="col-6 custom-box">Col 6</div>
```

```
  <div class="col-3 custom-box">Col 3</div>
```

```
  <div class="col-3 custom-box">Col 3</div>
```

```
</div>
```

<!-- Third Row with Responsive Columns -->

```
<div class="row mb-3">
```

```
  <div class="col-sm-4 col-md-6 custom-box">Small 4, Medium 6</div>
```

```
  <div class="col-sm-4 col-md-3 custom-box">Small 4, Medium 3</div>
```

```
  <div class="col-sm-4 col-md-3 custom-box">Small 4, Medium 3</div>
```

```
</div>
```

<!-- Fourth Row - Full Width on Small Screens -->

```
<div class="row mb-3">
```

```
  <div class="col-md-8 col-lg-9 custom-box">Medium 8, Large 9</div>
```

```
  <div class="col-md-4 col-lg-3 custom-box">Medium 4, Large 3</div>
```

```
</div>
```

```
</div>
```

<!-- Bootstrap 5 JS -->

```
<script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```