GANPAT UNIVERSITY
U.V. PATEL COLLEGE OF ENGINEERING B. TECH 1ST SEMESTER CE/IT/CE-AI 2ES1109: BASICS OF WEB TECHNOLOGY

<u>Practical - 8</u>

AIM: To Study about Bootstrap.

PRACTICAL 8.1:

1. Create a multi column grid layout for all devices using Bootstrap.

HTML CODE:

```
<html>
<head>
  <title>BootStrap Grid</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" \>
</head>
<body>
  <h1 style="text-align: center;">BootStrap Responsive Layout</h1>
  <br>
  <div class="container text-center">
    <div class="row">
      <div class="col-3">
        <div class="p-3 border bg-dark text-white">Box 1</div>
      </div>
      <div class="col-3">
        <div class="p-3 border bg-dark text-white">Box 2</div>
      </div>
      <div class="col-3">
        <div class="p-3 border bg-dark text-white">Box 3</div>
      </div>
      <div class="col-3">
        <div class="p-3 border bg-dark text-white">Box 4</div>
```

```html
        </div>
      </div>
      <br \>
      <div class="row">
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 5</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 6</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 7</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 8</div>
        </div>
      </div>
      <br \>
      <div class="row">
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 9</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 10</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 11</div>
        </div>
        <div class="col-3">
          <div class="p-3 border bg-dark text-white">Box 12</div>
        </div>
      </div>
    </div>
</body>
</html>
```

OUTPUT :

BootStrap Responsive Layout

Box 1	Box 2	Box 3	Box 4
Box 5	Box 6	Box 7	Box 8
Box 9	Box 10	Box 11	Box 12

PRACTICAL 8.2:

2. Design responsive form layouts with Bootstrap.

HTML CODE:

```html
<html>
<head>
   <title>Simple Form</title>
   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" \>
</head>
<body>
   <h1 style="text-align: center;">Simple Form Designing using bootstrap</h1>
   <form>
     <table>
        <tr>
           <th><input class="form-control" type="email" placeholder="abc@gmail.com" \></th>
           <th><input class="form-control" type="password" placeholder="Password" \></th>
           <th><input class="form-check-input" id="boot" type="checkbox" checked \></th>
           <th><label class="form-check-label" for="boot">Remember me</label></th>
           <th><button type="button" class="btn btn-primary btn-block">Sign in</button></th>
        </tr>
     </table>
   </form>
</body>
</html>
```

OUTPUT :

Simple Form Designing using bootstrap

| abc@gmail.com | Password | ☑ **Remember me** Sign in |

PRACTICAL 8.3:

3 .Create a program to add dropdown menus to navbar with Bootstrap.

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Brand - Navbar with Dropdowns</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
  <style>
    :root {
      --color-primary: #2180AC;
      --color-text: #1F2121;
      --color-bg: #FCFCF9;
      --color-border: rgba(94, 82, 64, 0.2);
    }

    body {
      background-color: var(--color-bg);
      color: var(--color-text);
      font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', sans-serif;
    }

    .navbar {
      background-color: var(--color-bg);
      border-bottom: 1px solid var(--color-border);
      padding: 1rem 0;
    }

    .navbar-brand {
      font-size: 1.5rem;
      font-weight: 600;
      color: var(--color-text) !important;
      margin-right: 3rem;
```

```css
    }

    .nav-link {
        color: var(--color-text) !important;
        font-weight: 500;
        margin-right: 1.5rem;
        position: relative;
        transition: color 0.2s ease;
    }

    .nav-link:hover {
        color: var(--color-primary) !important;
    }

    .dropdown-toggle::after {
        content: '';
        border: none;
        margin-left: 0.3rem;
    }

    .dropdown-toggle {
        position: relative;
    }

    .dropdown-toggle:after {
        display: inline-block;
        margin-left: 0.3rem;
        vertical-align: 0.255em;
        content: '';
        border-top: 0.3em solid;
        border-right: 0.3em solid transparent;
        border-bottom: 0;
        border-left: 0.3em solid transparent;
    }

    .dropdown-menu {
        background-color: var(--color-bg);
        border: 1px solid var(--color-border);
        border-radius: 0.5rem;
        padding: 0.5rem 0;
```

```css
    box-shadow: 0 4px 6px rgba(0, 0, 0, 0.04);
}

.dropdown-item {
    color: var(--color-text);
    padding: 0.75rem 1.5rem;
    font-weight: 500;
    transition: all 0.2s ease;
}

.dropdown-item:hover,
.dropdown-item:focus {
    background-color: rgba(33, 128, 172, 0.08);
    color: var(--color-primary);
}

.navbar-nav .nav-item {
    display: flex;
    align-items: center;
}

.login-btn {
    color: var(--color-text);
    text-decoration: none;
    font-weight: 500;
    transition: color 0.2s ease;
    margin-left: auto;
}

.login-btn:hover {
    color: var(--color-primary);
}

.nav-divider {
    display: inline-block;
    width: 1px;
    height: 1.5rem;
    background-color: var(--color-border);
    margin: 0 1rem;
}
```

```css
    main {
      padding: 2rem;
    }

    .content {
      max-width: 1200px;
      margin: 0 auto;
    }

    h2 {
      color: var(--color-text);
      margin-bottom: 1rem;
    }

    p {
      color: var(--color-text);
      line-height: 1.6;
    }
  </style>
</head>
<body>
  <nav class="navbar navbar-expand-lg">
    <div class="container-fluid px-4">
      <a class="navbar-brand" href="#">Brand</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false"
aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav me-auto">
          <li class="nav-item">
            <a class="nav-link" href="#home">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="#profile">Profile</a>
          </li>
          <li class="nav-item dropdown">
```

```html
                <a class="nav-link dropdown-toggle" href="#" id="messagesDropdown"
role="button" data-bs-toggle="dropdown" aria-expanded="false">
                    Messages
                </a>
                <ul class="dropdown-menu" aria-labelledby="messagesDropdown">
                    <li><a class="dropdown-item" href="#inbox">Inbox</a></li>
                    <li><a class="dropdown-item" href="#sent">Sent</a></li>
                    <li><a class="dropdown-item" href="#drafts">Drafts</a></li>
                </ul>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#reports">Reports</a>
            </li>
        </ul>
        <a class="login-btn" href="#login">Login</a>
      </div>
    </div>
  </nav>

  <main>
    <div class="content" style="background-color: #f5f5f5; padding: 3rem 2rem; margin-top:
2rem; border-radius: 8px; text-align: center;">
        <p style="font-size: 1.1rem; color: #666; margin: 0;">The navbar is fully responsive and
will collapse into a mobile hamburger menu on smaller screens.</p>
    </div>
  </main>

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

OUTPUT :

Brand	Home	Profile	Messages ▾	Reports

Inbox

Sent

Drafts

The na   ve and will collapse into a mobile hamburger menu on smaller screens.