Ex. No. 4	RESPONSIVE WEBPAGE USING BOOTSTRAP UI FRAMEWORK
Date of Exercise	08/08/2022
Web Host Link	
Youtube Link	https://drive.google.com/file/d/1zT9iwg8T-MKu4QjSaVIs8wqJ9Uc4zMkb/view?usp=share_link

Aim:

To create a responsive web design using Bootstrap UI framework.

Description:

What is Responsive Web Design?

- Responsive web design is about creating web sites which automatically adjust themselves to look good on all devices, from small phones to large desktops.
- Bootstrap is a free front-end framework for faster and easier web development .
- Bootstrap includes, HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.
- Bootstrap also gives you the ability to easily create responsive designs

Program:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Microsoft</title>
```

```
    <link rel="shortcut icon"
href="https://upload.wikimedia.org/wikipedia/commons/thumb/4/44/Microsoft_logo.svg/2048px-
Microsoft_logo.svg.png" type="image/x-icon">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
    <link rel="stylesheet" href="style.css">
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-light bg-dark">
        <a class="navbar-brand m-3" href="#">
          <img src="Microsoft-logo.jpg" alt="microsoft-logo" height="50" width="50"> <span
class="text-light">Microsoft</span>
        </a>
        <button class="navbar-toggler btn btn-info" type="button" data-bs-toggle="collapse" data-
bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
         <ul class="navbar-nav ms-auto p-4">

          <li class="nav-item">
            <a class="nav-link text-light" href="https://www.microsoft.com/en-in">Home</a>
          </li>

          <li class="nav-item">
            <a class="nav-link text-light" href="#">Services</a>
          </li>
```

```html
            <li class="nav-item">
              <a class="nav-link text-light" href="#">Clients</a>
            </li>
            <li class="nav-item">
              <a class="nav-link text-light" href="https://support.microsoft.com/en-us">Contact
Us</a>

            </li>
            <li class="nav-item">
              <a class="nav-link text-light"
href="https://login.microsoftonline.com/common/oauth2/v2.0/authorize?client_id=ee272b19-4411-
433f-8f28-5c13cb6fd407&redirect_uri=https%3A%2F%2Fsupport.microsoft.com%2Fsignin-
oidc&response_type=code%20id_token&scope=openid%20profile%20offline_access&response_mod
e=form_post&nonce=637973526141444034.N2VjMjQyZjctOGI2Ny00YWQ0LWIwMTctYTRhZDMzYzg0
NTY4MzM5MTk3YmItMzY3Ni00ODMzLTIINGEtNTI3ZTc2Nzg0ZTBl&state=CfDJ8LSIxUzEr7ZGv7Wyv
MoLssmrBomQEApLs_nfvmqzTanvJkadmlUrcJhXfsrBUuebKRBcmLqZ9RUhDRTFTbPaZohdPS3DXjv8
WM48RQTnm0gTsuqYVM0xnFZ6T6v9gtNeNKTlGKtlNYSHktreSjFw87-
hsLthVldwUHeXRsRhPv6Y3L5SUzGmK05UECTkU1VFkPzAGckEUuN8iGMIxSzleMt0me1rFmpQhWsCe
sM3dHdRlta7v7j15tafxTto97C96JyIxrocqw7-
8MLQ84GKiqRjzni6qL_LXtDiOxLOCoYUfZuRA8aluoBx_RugWWFlHA&x-client-
SKU=ID_NETSTANDARD2_0&x-client-ver=6.7.1.0">Login/Sign Up</a>

            </li>
            <form class="d-flex ">
              <input class="form-control" type="search" placeholder="Search" aria-label="Search">
              <button class="btn btn-outline-info ms-3" type="submit">Search</button>
            </form>

          </ul>
        </div>
      </nav>
```

```html
<div id="carouselExampleControls" class="carousel slide" data-bs-ride="carousel" >
  <div class="carousel-inner">
    <div class="carousel-item active">
      <img src="https://rsp.sg/wp-content/uploads/2019/11/Expertise-Wks-1920-800-Microsoft-Campus-Hyderabad-1.jpg" height="700"  class="d-block w-100" alt="...">
    </div>
    <div class="carousel-item">
      <img src="https://i0.wp.com/yassermasood.blog/wp-content/uploads/2019/01/Microsoft-Campus-image-2954886789-1546528206584.jpg?fit=1200%2C615&ssl=1" height="700"  class="d-block w-100" alt="...">
    </div>
    <div class="carousel-item">
      <img src="https://i.postimg.cc/wMy553HK/Screenshot-2022-08-12-225252.jpg" height="700" class="d-block w-100" alt="...">
    </div>
  </div>
  <button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="prev">
    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
    <span class="visually-hidden">Previous</span>
  </button>
  <button class="carousel-control-next" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="visually-hidden">Next</span>
  </button>
</div>
<div class="container-fluid">
  <div class="row">
    <div class="col-sm-6 border border-primary m-2">
      <h3 class="text-center text-primary mt-4">Registration Form</h3>
      <form>
        <div class="row mb-3">
```

```html
      <div class="col-sm-6">
        <label for="tf1">Email:</label>
        <input type="email" class="form-control" id="tf1">
      </div>
      <div class="col-sm-6">
        <label for="tf2">Password:</label>
        <input type="password" class="form-control" id="tf2">
      </div>
    </div>
    <div class="row mb-3">
      <div class="col-sm-12">
        <label for="tf3">Address:</label>
      <input type="text" class="form-control" placeholder="1234 Main St" id="tf3">
      </div>

    </div>
    <div class="row mb-3">
      <div class="col-sm-12">
        <label for="tf4">Address 2:</label>
        <input type="text" class="form-control" placeholder="Apartment, studio, or floor"
id="tf4">
      </div>
    </div>
    <div class="row mb-3">
      <div class="col-sm-6">
        <label for="tf5">City:</label>
        <input type="text" class="form-control" id="tf5">
      </div>
      <div class="col-sm-4">
        <label for="inputState">State</label>
        <select id="inputState" class="form-select">
          <option selected>Odisha</option>
          <option>Karnataka</option>
```

```html
        <option>Telangana</option>
        <option>Tamil Nadu</option>
        <option>Gujarat</option>
      </select>
    </div>
    <div class="col-sm-2">
      <label for="tf7">Zip:</label>
      <input type="text" class="form-control" id="tf7">
    </div>
  </div>
  <div class="row mb-3">
    <div class="col-sm-12">
      <input class="form-check-input" type="checkbox" id="gridCheck">
        <label for="gridCheck">
          Check me out
        </label>
    </div>
  </div>
  <div class="row mb-4">
    <div class="col-sm-12 text-center">
      <button type="submit" class="btn btn-primary">Submit</button>
    </div>
  </div>
</form>


</div>


<div class="col-sm-5 m-4 ">
  <table class="table table-bordered table-hover text-center">
    <thead>
      <tr class="bg-primary text-white">
        <th>S.No</th>
        <th>Reg.No</th>
```

```
      <th>Name of the Participant</th>
      <th>Collaborative Activity</th>
      <th>Collaborating Agency</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>1</td>
      <td>UR16AE001</td>
      <td>ANIT ANU JOHN</td>
      <td>Product Design and Analysis</td>
      <td>CADD Centre</td>
    </tr>
    <tr>
      <td>2</td>
      <td>UR16AE011</td>
      <td>VASANTHA KANEESH M</td>
      <td>Product Design and Analysis</td>
      <td>CADD Centre</td>
    </tr>
    <tr>
      <td>3</td>
      <td>UR16AE013</td>
      <td>HAILEY BALDWIN</td>
      <td>Product Design and Analysis</td>
      <td>CADD Centre</td>
    </tr>
    <tr>
      <td>4</td>
      <td>UR16AE015</td>
      <td>JEBIN JOHN J</td>
      <td>Product Design and Analysis</td>
      <td>CADD Centre</td>
```

```
        </tr>
        <tr>
         <td>5</td>
         <td>UR16AE018</td>
         <td>JP GOKUL</td>
         <td>Product Design and Analysis</td>
         <td>CADD Centre</td>
        </tr>
        <tr>
         <td>6</td>
         <td>UR16AE020</td>
         <td>JEROME KJ</td>
         <td>Product Design and Analysis</td>
         <td>CADD Centre</td>
        </tr>
        <tr>
         <td>7</td>
         <td>UR16AE022</td>
         <td>AFNAN M ARIEF</td>
         <td>Product Design and Analysis</td>
         <td>CADD Centre</td>
        </tr>

      </tbody>
     </table>
    </div>

   </div>
 </div>
```

```
</body>
</html>
```

CSS FILE:

```
.container–
    fluid{padding:3
```

Output:

Normal View:

Responsive View:

Result:

A responsive web-page was created using Bootstrap and the intended results were obtained successfully.