Experiment No. 3
Aim: Construct a responsive website using Bootstrap.


```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Responsive Website with Bootstrap</title>

  <!-- Bootstrap CSS CDN -->

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

</head>

<body>


  <!-- Navigation Bar -->

  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">

    <div class="container">

      <a class="navbar-brand" href="#">My Website</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 ms-auto">

          <li class="nav-item">

            <a class="nav-link active" href="#">Home</a>

          </li>
```

```html
        <li class="nav-item">

          <a class="nav-link" href="#">About</a>

        </li>

        <li class="nav-item">

          <a class="nav-link" href="#">Services</a>

        </li>

        <li class="nav-item">

          <a class="nav-link" href="#">Contact</a>

        </li>

      </ul>

    </div>

  </div>

</nav>


<!-- Hero Section -->

<section class="bg-light text-dark text-center p-5">

  <div class="container">

    <h1>Welcome to Our Responsive Website</h1>

    <p class="lead">This website is built using Bootstrap 5 and adapts to any screen size.</p>

    <a href="#" class="btn btn-primary">Get Started</a>

  </div>

</section>


<!-- Responsive Grid with Cards -->

<section class="py-5">

  <div class="container">

    <div class="row">

      <!-- Card 1 -->
```

```html
<div class="col-md-4">

  <div class="card mb-4">

    <img src="https://via.placeholder.com/300x200" class="card-img-top" alt="Image 1">

    <div class="card-body">

      <h5 class="card-title">Card Title 1</h5>

      <p class="card-text">This is a brief description of the content inside the card. It can be extended to multiple lines.</p>

        <a href="#" class="btn btn-primary">Learn More</a>

      </div>

    </div>

  </div>

  <!-- Card 2 -->

  <div class="col-md-4">

    <div class="card mb-4">

      <img src="https://via.placeholder.com/300x200" class="card-img-top" alt="Image 2">

      <div class="card-body">

        <h5 class="card-title">Card Title 2</h5>

        <p class="card-text">This is another brief description with more content inside the card.</p>

        <a href="#" class="btn btn-primary">Learn More</a>

      </div>

    </div>

  </div>

  <!-- Card 3 -->

  <div class="col-md-4">

    <div class="card mb-4">

      <img src="https://via.placeholder.com/300x200" class="card-img-top" alt="Image 3">

      <div class="card-body">
```

```html
            <h5 class="card-title">Card Title 3</h5>

            <p class="card-text">This card contains more content and links to additional resources.</p>

            <a href="#" class="btn btn-primary">Learn More</a>

          </div>

        </div>

      </div>

    </div>

  </section>


  <!-- Footer -->

  <footer class="bg-dark text-light text-center py-3">

    <div class="container">

      <p>&copy; 2024 My Website | All Rights Reserved</p>

    </div>

  </footer>


  <!-- Bootstrap JS CDN (with Popper) -->

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-FgpCn4Bz4YJQd4V8xNcQ1jjj4Z1pJTAW4DlzJ7/cn9hfoHeZw5ZxkPpRXxMXQbZS"
crossorigin="anonymous"></script>

</body>

</html>
```