Program 8: Develop a Web page(s) with suitable HTML elements to demonstrate Bootstrap 5.0 framework classes for Nav and Footers.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Bootstrap 5 Nav and Footer Example</title>

<!-- Bootstrap CSS -->

<link href="https://maxcdn.bootstrapcdn.com/bootstrap/5.0.0-beta3/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<!-- Navigation Bar -->

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

<div class="container-fluid">

<a class="navbar-brand" href="#">Navbar</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">

<li class="nav-item">

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

</li>

<li class="nav-item">

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

</li>

<li class="nav-item">

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

</li>

<li class="nav-item">

<a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled</a>

</li>

</ul>

</div>

</div>

</nav>

<!-- Main Content -->

<div class="container mt-5">

<h1>Welcome to Bootstrap 5.0 Demo</h1>

<p>This is a simple webpage to demonstrate Bootstrap 5.0 classes for navigation bars and footers.</p>

</div>

<!-- Footer -->

<footer class="bg-light text-center text-lg-start mt-5">

<div class="container p-4">

<div class="row">

<div class="col-lg-6 col-md-12 mb-4 mb-md-0">

<h5 class="text-uppercase">Footer Content</h5>

<p>

Here you can use rows and columns to organize your footer content. Lorem ipsum dolor sit amet, consectetur adipisicing elit.

</p>

</div>

<div class="col-lg-3 col-md-6 mb-4 mb-md-0">

<h5 class="text-uppercase">Links</h5>

<ul class="list-unstyled mb-0">

<li>

<a href="#!" class="text-dark">Link 1</a>

</li>

<li>

<a href="#!" class="text-dark">Link 2</a>

</li>

<li>

<a href="#!" class="text-dark">Link 3</a>

</li>

<li>

<a href="#!" class="text-dark">Link 4</a>

</li>

</ul>

</div>

<div class="col-lg-3 col-md-6 mb-4 mb-md-0">

<h5 class="text-uppercase mb-0">Links</h5>

<ul class="list-unstyled">

<li>

<a href="#!" class="text-dark">Link 1</a>

</li>

<li>

<a href="#!" class="text-dark">Link 2</a>

</li>

<li>

<a href="#!" class="text-dark">Link 3</a>

</li>

<li>

<a href="#!" class="text-dark">Link 4</a>

</li>

</ul>

</div>

</div>

</div>

<div class="text-center p-3 bg-dark text-white">

© 2023 Company, Inc.

</div>

</footer>

<!-- Bootstrap JS -->

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/5.0.0-beta3/js/bootstrap.bundle.min.js"></script>

</body>

</html>

**Explanation:**

 **<!DOCTYPE html>**: Declares the document type and version of HTML.

 **<html lang="en">**: Defines the language attribute for the document.

 **<head>**: Contains meta-information about the document.

* **<meta charset="UTF-8">**: Sets the character encoding for the document.
* **<meta name="viewport" content="width=device-width, initial-scale=1.0">**: Ensures the webpage is responsive and adjusts to the width of the device.
* **<title>**: Sets the title of the webpage.
* **Bootstrap CSS**: Includes Bootstrap 5.0 CSS for styling the webpage.

**<nav class="navbar navbar-expand-lg navbar-light bg-light">**: Creates a responsive navigation bar with a light background.

* **<div class="container-fluid">**: Ensures the navbar is fluid and spans the entire width.
* **<a class="navbar-brand" href="#">Navbar</a>**: Defines the brand name or logo.
* **<button class="navbar-toggler"**: Adds a toggle button for collapsing the navbar on smaller screens.
* **<div class="collapse navbar-collapse" id="navbarNav">**: Contains the collapsible part of the navbar.
  + **<ul class="navbar-nav">**: Defines the list of navigation items.
    - **<li class="nav-item">**: Each list item represents a navigation link.
    - **<a class="nav-link active"**: Sets the link as active and highlighted.

**<div class="container mt-5">**: Creates a container with a margin-top of 5 units for the main content.

* **<h1>**: Displays the main heading.
* **<p>**: Provides a paragraph explaining the purpose of the webpage.

**<footer class="bg-light text-center text-lg-start mt-5">**: Creates a footer with a light background, centered text, and a margin-top of 5 units.

* **<div class="container p-4">**: Adds padding to the footer content.
  + **<div class="row">**: Uses a row to organize the footer content into columns.
    - **<div class="col-lg-6 col-md-12 mb-4 mb-md-0">**: Creates a column that spans 6 units on large screens and 12 units on medium screens, with a bottom margin.
      * **<h5 class="text-uppercase">Footer Content</h5>**: Displays a heading for the footer content.
      * **<p>**: Provides placeholder text.
    - **<div class="col-lg-3 col-md-6 mb-4 mb-md-0">** and **<div class="col-lg-3 col-md-6 mb-4 mb-md-0">**: Create two more columns each spanning 3 units on large screens and 6 units on medium screens, containing lists of links.
      * **<ul class="list-unstyled">**: Defines an unordered list with no default styling.
        + **<li>**: Each list item contains a link.
* **<div class="text-center p-3 bg-dark text-white">**: Adds a dark background strip with centered white text for the copyright information.

**Bootstrap JS**: Includes Bootstrap JavaScript for enabling interactive components such as the navbar toggler.