

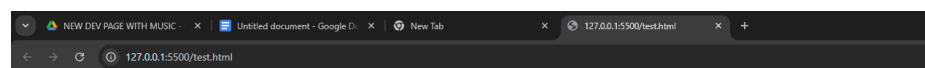
## 1. What is Bootstrap?

- Bootstrap is a free, open-source front-end framework used for designing responsive and mobile-first websites. It includes HTML, CSS, and JavaScript components for layout, typography, forms, buttons, navigation, and other interface elements. It helps developers quickly build attractive and functional web pages.
- **How do you use Bootstrap containers?**
  - Bootstrap containers are used to center and horizontally pad your site's contents. Containers are the basic layout element and are required when using the grid system.

### *Example: Code*

```
<!DOCTYPE html>
<html>
<head>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <div class="container">
    <h1>This is inside a Bootstrap container</h1>
    <p>The container class provides a responsive fixed width container.</p>
  </div>
</body>
</html>
```

### **Output:**



# This is inside a Bootstrap container

The container class provides a responsive fixed width container.

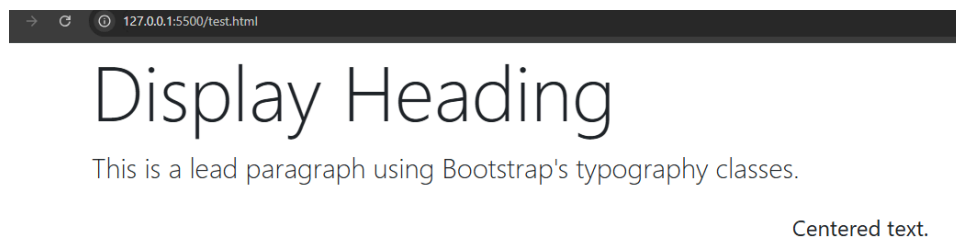
- **How do you use Bootstrap in Typography?**

- Bootstrap provides many typography utilities to style text quickly, including classes for headings, text alignment, font weight, and more.

**Example: Code**

```
<!DOCTYPE html>
<html>
<head>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <div class="container">
    <h1 class="display-4">Display Heading</h1>
    <p class="lead">This is a lead paragraph using Bootstrap's typography classes.</p>
    <p class="text-center">Centered text.</p>
  </div>
</body>
</html>
```

**Output:**



- **How do you use Bootstrap in Colors?**

- Bootstrap includes utility classes for text color, background color, and borders. You can use classes like .text-primary, .bg-success, .text-danger, etc.

**Example: Code**

```
<!DOCTYPE html>
<html>
<head>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <div class="container">
    <p class="text-primary">This is primary colored text.</p>
    <p class="bg-success text-white p-2">This paragraph has a green background with white text.</p>
    <p class="text-danger">This is danger (red) text.</p>
  </div>
</body>
</html>
```

**Output:**

