```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Responsive Color Box</title>
    <style>
        .color-box {
            width: 200px;
            height: 200px;
            margin: 20px auto;
            background-color: red;
            transition: background-color 0.5s ease;
        }

        @media (max-width: 600px) {
            .color-box {
                background-color: blue;
            }
        }

        @media (min-width: 601px) and (max-width: 768px) {
            .color-box {
                background-color: green;
            }
        }
    </style>
</head>
<body>
    <div class="color-box"></div>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Responsive Text</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            line-height: 1.6;
            padding: 20px;
            background-color: #f0f0f0;
            color: #333;
            transition: all 0.3s ease;
        }

        p {
            font-size: 16px;
        }
        @media (max-width: 600px) {
            body {
                background-color: #ffcccc;
            }
            p {
                font-size: 14px;
            }
        }

        @media (min-width: 601px) and (max-width: 1024px) {
            body {
                background-color: #ccffcc;
            }
            p {
                font-size: 18px;
            }
        }
        @media (min-width: 1025px) {
            body {
```

```
        @media (min-width: 1025px) {
            body {
                background-color: #ccccff;
            }

            p {
                font-size: 20px;
            }
        }
    </style>
</head>
<body>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Testing for Viewport Attribute in meta tag</title>
</head>
<body>
    <p>Testing for Viewport Attribute in meta tag</p>
</body>
</html>




<!----- With the viewport meta tag, the page scales properly to fit the mobile screen, making text readable without zooming.
Without it, the page appears zoomed out and tiny, requiring manual zoom to read content. ----->
```

```html
<!DOCTYPE html>
<html>
<head>
    <title></title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
    <h1>Image With Viewport Tag</h1>
    <img src="img.jpg" style="width: 100%;">
</body>
</html>


<!----- The <meta name="viewport"> tag tells mobile browsers to use the device's actual width,
allowing responsive styles like width: 100% to work properly.
Without it, your layout looks zoomed out or broken on smaller screens. ----->
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Styled Div</title>
    <style>
        .fixed-width {
            width: 600px;
            background-color: lightblue;
            padding: 20px;
            text-align: center;
        }

        .percentage-width {
            width: 80%;
            background-color: lightcoral;
            padding: 20px;
            text-align: center;
            margin: auto;
        }
    </style>
</head>
<body>

    <div class="fixed-width">
        This div has a fixed width of 600px.
    </div>

    <br>

    <div class="percentage-width">
        This div has a width of 80% of its parent container.
    </div>

</body>
</html>
```

This div has a fixed width of 600px.

This div has a width of 80% of its parent container.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Font Size Example</title>
    <style>

        .container {
            width: 80%;
            margin: auto;
            padding: 20px;
            background-color: ■lightgray;
        }
    </style>

</head>
<body>

    <div class="container">
        <p style="font-size: 18px;">This paragraph uses 18px font size.</p>
        <p style="font-size: 1.2em;">This paragraph uses 1.2em font size (relative to parent).</p>
        <p style="font-size: 1.5rem;">This paragraph uses 1.5rem font size (relative to root).</p>
    </div>

</body>
</html>
```
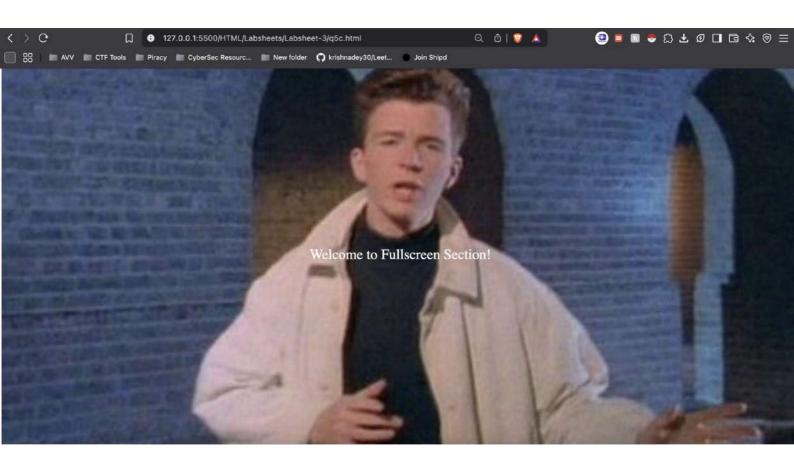
This paragraph uses 18px font size.

This paragraph uses 1.2em font size (relative to parent).

This paragraph uses 1.5rem font size (relative to root).

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Fullscreen Section</title>
  <style>
    section {
      height: 100vh;
      width: 100vw;
      background: url('img.jpg') no-repeat center center/cover;
      display: flex;
      justify-content: center;
      align-items: center;
      color: white;
      font-size: 2rem;
      text-align: center;
    }
  </style>
</head>
<body>

  <section>
    <div>
      Welcome to Fullscreen Section!
    </div>
  </section>

</body>
</html>
```

Welcome to Fullscreen Section!

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>All HTML Form Elements</title>
  <link rel="stylesheet" href="q6a.css">

</head>
<body>
  <form class="form-container">
    <h2>All HTML Form Elements</h2>

    <label>Text Input:</label>
    <input type="text" placeholder="Enter text">

    <label>Email:</label>
    <input type="email" placeholder="example@gmail.com">

    <label>Password:</label>
    <input type="password">

    <label>Gender:</label>
    <div class="gender-group">
      <label><input type="radio" name="gender"> Male</label>
      <label><input type="radio" name="gender"> Female</label>
    </div>

    <label>Interests:</label>
    <div class="interests-group">
      <label><input type="checkbox"> Coding</label>
      <label><input type="checkbox"> Music</label>
    </div>

    <label>Country:</label>
    <select>
      <option>India</option>
      <option>USA</option>
      <option>UK</option>
```
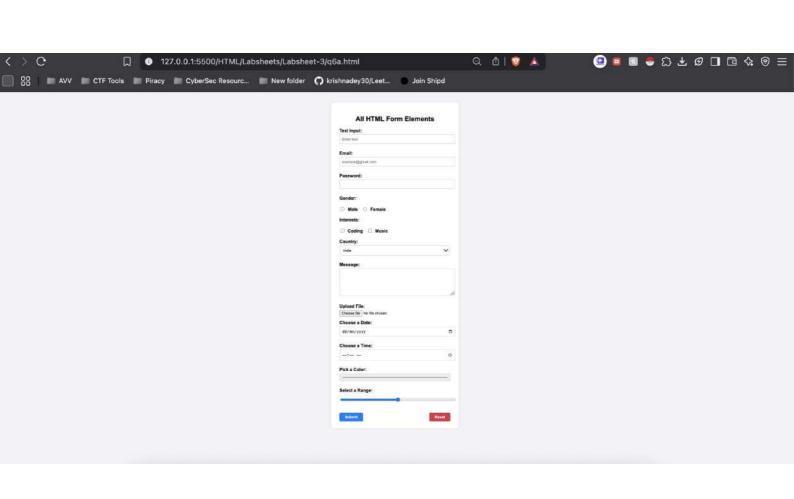
```html
    <label>Country:</label>
    <select>
      <option>India</option>
      <option>USA</option>
      <option>UK</option>
      <option>Other</option>
    </select>

    <label>Message:</label>
    <textarea></textarea>

    <label>Upload File:</label>
    <input type="file">

    <label>Choose a Date:</label>
    <input type="date">

    <label>Choose a Time:</label>
    <input type="time">

    <label>Pick a Color:</label>
    <input type="color">

    <label>Select a Range:</label>
    <input type="range">

    <div class="buttons">
      <input type="submit" value="Submit">
      <input type="reset" value="Reset">
    </div>
  </form>
</body>
</html>
```

```css
body {
    font-family: Arial, sans-serif;
    background: #f4f4f8;
    display: flex;
    justify-content: center;
    padding: 30px;
}

.form-container {
    background: #fff;
    padding: 25px 30px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0,0,0,0.1);
    width: 400px;
}

.form-container h2 {
    text-align: center;
    margin-bottom: 20px;
}

label {
    display: block;
    margin-top: 15px;
    margin-bottom: 5px;
    font-weight: bold;
}

input[type="text"],
input[type="email"],
input[type="password"],
input[type="date"],
input[type="time"],
input[type="color"],
input[type="range"],
select,
textarea {
    width: 100%;
```

```css
  width: 100%;
  padding: 8px;
  margin-bottom: 10px;
  border-radius: 4px;
  border: 1px solid ▫#ccc;
}

input[type="radio"],
input[type="checkbox"] {
  margin-right: 8px;
}

textarea {
  height: 80px;
}

.gender-group,
.interests-group {
  display: flex;
  justify-content: flex-start;
  gap: 15px;
}

.buttons {
  display: flex;
  justify-content: space-between;
  margin-top: 20px;
}

.buttons input {
  padding: 8px 20px;
  border: none;
  border-radius: 4px;
  color: ▫white;
  font-weight: bold;
  cursor: pointer;
```

```css
.buttons input {
  padding: 8px 20px;
  border: none;
  border-radius: 4px;
  color: white;
  font-weight: bold;
  cursor: pointer;
}

.buttons input[type="submit"] {
  background-color: #007bff;
}

.buttons input[type="reset"] {
  background-color: #dc3545;
}
```

All HTML Form Elements

Text Input:

[Enter text]

Email:

[example@gmail.com]

Password:

[ ]

Gender:

○ Male ○ Female

Interests:

☐ Coding ☐ Music

Country:

[India ⌄]

Message:

[ ]

Upload File:

[Choose File] No file chosen

Choose a Date:

[dd/mm/yyyy 📅]

Choose a Time:

[--:-- -- 🕐]

Pick a Color:

[ ]

Select a Range:

[———————●————————]

[Submit]   [Reset]

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Login and Sign Up</title>
  <link rel="stylesheet" href="q6b.css">

</head>
<body>
  <div class="container">

    <div class="form-box">
      <h2>Sign Up</h2>
      <p>It's free and only takes a minute</p>
      <input type="text" placeholder="First Name">
      <input type="text" placeholder="Last Name">
      <input type="email" placeholder="Email">
      <input type="password" placeholder="Password">
      <input type="password" placeholder="Confirm Password">
      <button>Submit</button>
      <small>
        By clicking the Sign Up button you agree to our <a href="#">Terms and Condition</a> and <a href="#">Policy. Privacy</a>
      </small>
      <div class="form-footer">
        Already have an account? <a href="#">Login here</a>
      </div>
    </div>

    <div class="form-box">
      <h2>Login</h2>
      <input type="email" placeholder="Email">
      <input type="password" placeholder="Password">
      <button>Submit</button>
      <div class="form-footer">
        Not have an account? <a href="#">Sign Up Here</a>
      </div>
    </div>
```

```html
    <div class="form-box">
      <h2>Login</h2>
      <input type="email" placeholder="Email">
      <input type="password" placeholder="Password">
      <button>Submit</button>
      <div class="form-footer">
        Not have an account? <a href="#">Sign Up Here</a>
      </div>
    </div>

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

```css
body {
    margin: 0;
    padding: 0;
    font-family: Arial, sans-serif;
    background-color: ☐#2c3e50;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

.container {
    display: flex;
    gap: 40px;
    flex-wrap: wrap;
    justify-content: center;
}

.form-box {
    background-color: ☐#fff;
    padding: 30px;
    border-radius: 8px;
    box-shadow: 0 0 10px ☐rgba(0,0,0,0.2);
    width: 280px;
}

.form-box h2 {
    text-align: center;
    margin-bottom: 10px;
}

.form-box p {
    text-align: center;
    font-size: 14px;
    color: ☐#555;
    margin-bottom: 20px;
}
```

```css
.form-box input {
  width: 100%;
  padding: 10px;
  margin: 8px 0;
  border: 1px solid #ccc;
  border-radius: 4px;
}

.form-box button {
  width: 100%;
  background-color: #1abc9c;
  color: white;
  padding: 10px;
  border: none;
  border-radius: 4px;
  font-size: 16px;
  cursor: pointer;
}

.form-box button:hover {
  background-color: #16a085;
}

.form-box small {
  display: block;
  margin-top: 10px;
  font-size: 12px;
  text-align: center;
  color: #777;
}

.form-box a {
  color: #3498db;
  text-decoration: none;
  font-size: 12px;
}
```

```css
.form-box a:hover {
  text-decoration: underline;
}


.form-footer {
  text-align: center;
  margin-top: 15px;
  font-size: 13px;
}
```

Sign Up

It's free and only takes a minute

First Name

Last Name

Email

Password

Confirm Password

Submit

By clicking the Sign Up button you agree to our
Terms and Condition and Policy. Privacy

Already have an account? Login here

Login

Email

Password

Submit

Not have an account? Sign Up Here