

## Assignment – 2

### Question 1: Styling Headings and Paragraphs

Task:

Write CSS to:

- Center-align the heading.
- Set paragraph text color to dark gray.
- Use font size 20px for the paragraph.

HTML Code:

```
<h1>About Us</h1>
```

```
<p>We are a team of developers building cool stuff.</p>
```

CSS Code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <title>About Us</title>
```

```
  <style>
```

```
    h1 {
```

```
      text-align: center;
```

```
    }
```

```
    p {
```

```
      color: darkgray;
```

```
      font-size: 20px;
```

```
    }
```

```
  </style>
```

```
</head>
```

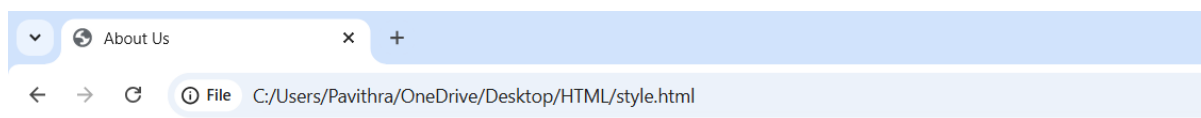
```
<body>
```

```
  <h1>About Us</h1>
```

```
  <p>We are a team of developers building cool stuff.</p>
```

```
</body>
```

```
</html>
```



# About Us

We are a team of developers building cool stuff.

## Question 2: Styling a Navigation Bar

Task:

Style the links to:

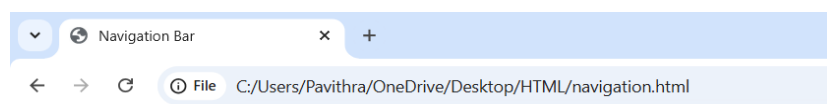
- Remove underlines.
- Change color to dark blue.
- Add a hover effect to change color to orange.

HTML Code:

```
<nav>
  <a href="#">Home</a>
  <a href="#">About</a>
  <a href="#">Contact</a>
</nav>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Navigation Bar</title>
  <style>
    nav a {
      text-decoration: none;
      color: darkblue;
      margin-right: 15px;
    }
    nav a:hover {
      color: orange;
    }
  </style>
</head>
<body>
  <h1>Navigation</h1>
  <nav>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Contact</a>
  </nav>
</body>
</html>
```



## Navigation

[Home](#) [About](#) [Contact](#)

### Question 3: Box Styling

Task:

Style the box to:

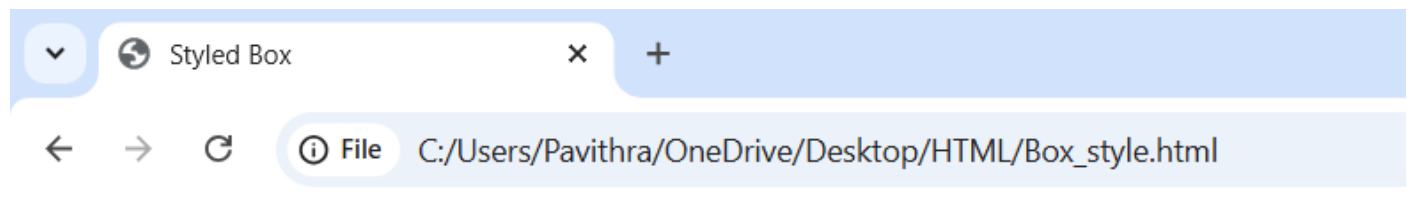
- Set background to light gray.
- Add padding of 20px.
- Add border of 1px solid black.

HTML Code:

```
<div class="box">This is a styled box.</div>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <h1>Box_style</h1>
  <title>Styled Box</title>
  <style>
    .box {
      background-color: lightgray;
      padding: 20px;
      border: 1px solid black;
    }
  </style>
</head>
<body>
  <div class="box">This is a styled box.</div>
</body>
</html>
```



## Box\_style

This is a styled box.

#### Question 4: Button Styling

Task:

Make the button:

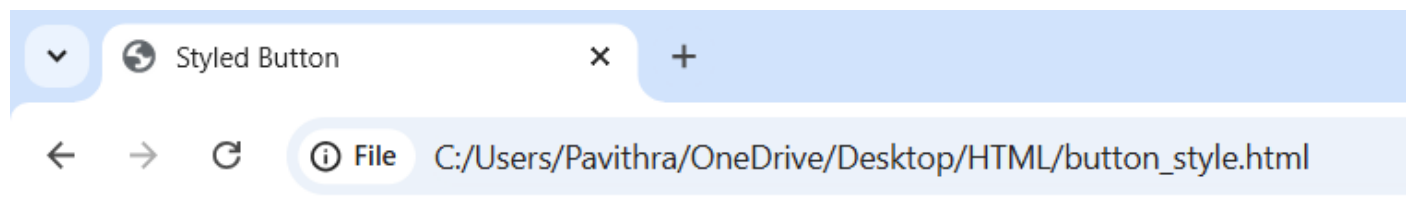
- Rounded with border-radius 10px.
- Have padding of 10px 20px.
- Have a background color of #007BFF and white text.

HTML Code:

```
<button class="btn">Submit</button>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <h1>Button_style</h1>
  <title>Styled Button</title>
  <style>
    .btn {
      border-radius: 10px;
      padding: 10px 20px;
      background-color: #007BFF;
      color: white;
      border: none;
      cursor: pointer;
    }
  </style>
</head>
<body>
  <button class="btn">Submit</button>
</body>
</html>
```



# Button\_style

Submit

## Question 5: Layout with Flexbox

Task:

Use Flexbox to:

- Display items in a row.
- Add space between them.

HTML Code:

```
<div class="container">
  <div>Item 1</div>
  <div>Item 2</div>
  <div>Item 3</div>
</div>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <h1>Flexbox</h1>
  <title>Flexbox Layout</title>
  <style>
    .container {
      display: flex;
      justify-content: space-between;
    }
  </style>
</head>
<body>
  <div class="container">
    <div>Item 1</div>
    <div>Item 2</div>
    <div>Item 3</div>
  </div>
</body>
</html>
```



## Flexbox

Item 1

Item 2

Item 3

## Question 6: Hover Card with Shadow

Task:

Style the `.card` to:

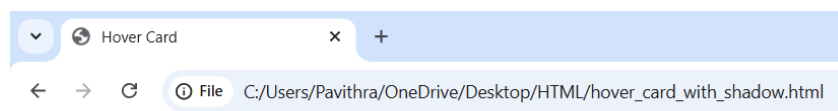
- Have a border and padding.
- Add a box shadow on hover.
- Set a smooth transition effect for the shadow.

HTML Code:

```
<div class="card">
  <h3>Product Title</h3>
  <p>Some product description goes here.</p>
</div>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <h1>Hover card</h1>
  <title>Hover Card</title>
  <style>
    .card {
      border: 1px solid #ccc;
      padding: 20px;
      transition: box-shadow 0.3s ease;
    }
    .card:hover {
      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
    }
  </style>
</head>
<body>
  <div class="card">
    <h3>Product Title</h3>
    <p>Some product description goes here.</p>
  </div>
</body>
</html>
```



## Hover card

### Product Title

Some product description goes here.

## Question 7: Style Even and Odd Rows Differently

Task:

Use CSS to style even rows with a light background and odd rows with a white background.

HTML Code:

```
<table>
  <tr><td>Row 1</td></tr>
  <tr><td>Row 2</td></tr>
  <tr><td>Row 3</td></tr>
  <tr><td>Row 4</td></tr>
</table>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <h1>Table Row Styling</h1>
  <title>Table Row Styling</title>
  <style>
    table {
      border-collapse: collapse;
      width: 100%;
    }
    table td {
      padding: 10px;
      border: 1px solid #ccc;
    }
    table tr:nth-child(odd) {
      background-color: white;
    }
    table tr:nth-child(even) {
      background-color: #f2f2f2;
    }
  </style>
</head>
<body>
  <table>
    <tr><td>Row 1</td></tr>
    <tr><td>Row 2</td></tr>
    <tr><td>Row 3</td></tr>
    <tr><td>Row 4</td></tr>
  </table>
</body>
</html>
```



### Table Row Styling

Row 1
Row 2
Row 3
Row 4

## Question 8: Positioning a Badge on an Image

Task:

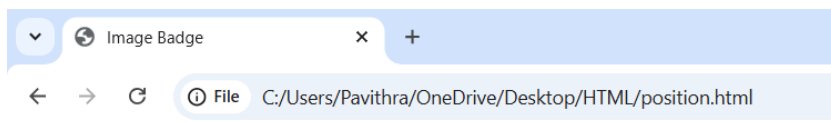
Place the `.badge` at the top-right corner of the image using positioning.

HTML Code:

```
<div class="image-container">
  
  <span class="badge">New</span>
</div>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Image Badge</title>
  <style>
    .image-container {
      position: relative;
      display: inline-block;
    }
    .badge {
      position: absolute;
      top: 10px;
      right: 10px;
      background-color: red;
      color: white;
      padding: 5px 10px;
      border-radius: 12px;
      font-size: 12px;
    }
  </style>
</head>
<body>
  <div class="image-container">
    
    <span class="badge">New</span>
  </div>
</body>
</html>
```





## Question 9: Responsive Text Size

Task:

Use media queries to change the heading size:

- Default: 32px
- If screen width is below 600px: 20px

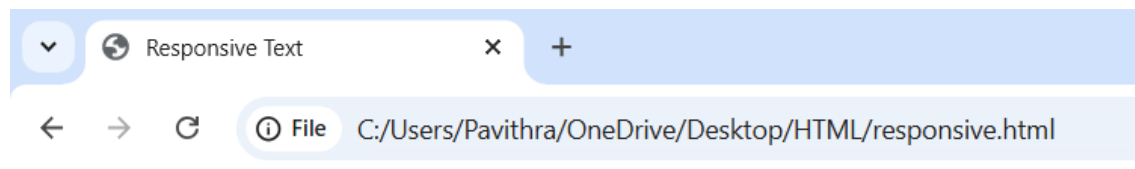
HTML Code:

```
<h1 class="title">Responsive Heading</h1>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Responsive Text</title>
  <style>
    .title {
      font-size: 32px;
    }

    @media (max-width: 600px) {
      .title {
        font-size: 20px;
      }
    }
  </style>
</head>
<body>
  <h1 class="title">Responsive Heading</h1>
</body>
</html>
```



# Responsive Heading

## Question 10: Navigation Menu with Active Link

Task:

Style a navigation menu:

- Inline horizontal layout.
- Add spacing between links.
- Highlight the active link with a border-bottom.

HTML Code:

```
<nav>
  <a href="#" class="active">Home</a>
  <a href="#">About</a>
  <a href="#">Services</a>
</nav>
```

CSS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Navigation Menu</title>
  <style>
    nav a {
      display: inline-block;
      margin-right: 20px;
      text-decoration: none;
      color: black;
      padding-bottom: 5px;
    }
    nav a.active {
      border-bottom: 2px solid blue;
    }
  </style>
</head>
<body>
  <nav>
    <a href="#" class="active">Home</a>
    <a href="#">About</a>
    <a href="#">Services</a>
  </nav>
</body>
</html>
```

