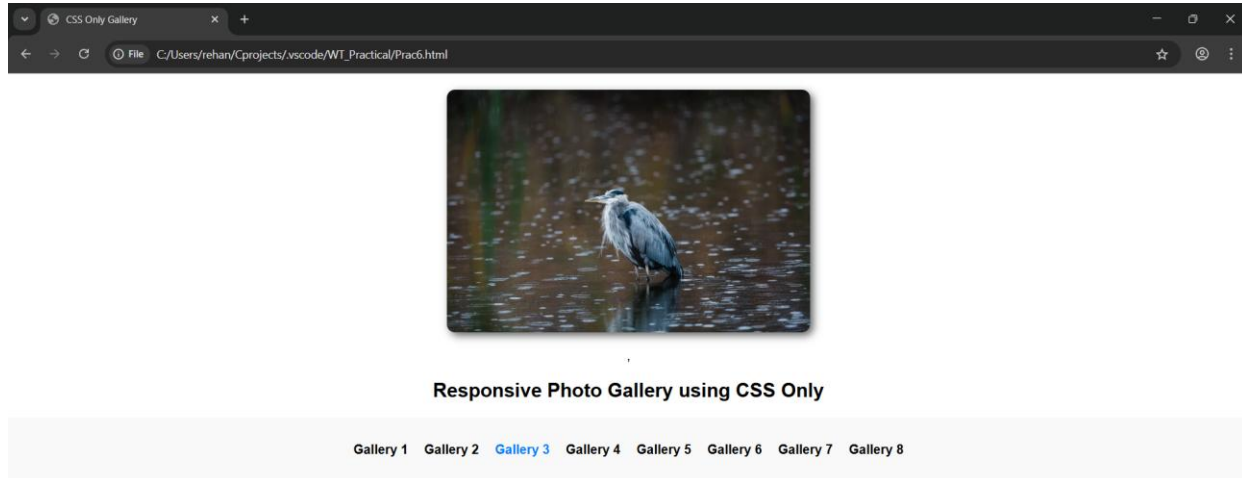


Lab#6 a. Using HTML, CSS create a bouncing loader animation. b. Create photo gallery with CSS Flex. c. Apply Flex property on flex container and flex child as per Annexure: I – 6.

TAGS USED / ATTRIBUTES USED / DESCRIPTION

TAGS USED	ATTRIBUTES USED	DESCRIPTION
<!DOCTYPE html>	–	Defines the document type as HTML5.
<html>	lang="en"	Root element of HTML document; lang specifies language.
<head>	–	Contains metadata, title, and internal CSS.
<meta>	charset, name, content	Sets character encoding and viewport for responsiveness.
<title>	–	Sets the page title in browser tab.
<style>	–	Contains all internal CSS rules, including Flexbox and media queries.
<body>	–	Contains all visible webpage content.
<input>	type="radio", name, id	Hidden radio buttons used to select which gallery image is displayed.
<div>	class="display-area"	Flex container holding all images; centers images horizontally and vertically.
	id, src, alt	Individual gallery images; initially hidden, shown when corresponding radio is checked.
<div>	class="gallery-links"	Flex container holding all labels (like clickable buttons).
<label>	for	Acts as a clickable button to select corresponding radio and show image.
@media	(max-width: 600px)	Makes gallery responsive on smaller screens.
<h3>	–	Displays individual project titles.
<footer>	–	Displays copyright text at the bottom of the page.

Final Outcome:



Code Snippet:

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Only Gallery</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 0;
      padding: 0;
    }

    h2 {
      margin-top: 20px;
    }

    input[type="radio"] {
      display: none;
    }
  </style>
</head>

<body>
  <h2>Responsive Photo Gallery</h2>
  <div>
    <input type="radio"/> Gallery 1
    <input type="radio"/> Gallery 2
    <input checked="" type="radio"/> Gallery 3
    <input type="radio"/> Gallery 4
    <input type="radio"/> Gallery 5
    <input type="radio"/> Gallery 6
    <input type="radio"/> Gallery 7
    <input type="radio"/> Gallery 8
  </div>
  <img alt="A blue heron standing in water." data-bbox="375 215 600 335"/>
</body>
</html>
```



```
}

/* Display area */
.display-area {
    margin: 20px auto;
    min-height: 300px;
    display: flex;
    justify-content: center;
    align-items: center;
}

.display-area img {
    max-width: 80%;
    max-height: 300px;
    border-radius: 10px;
    box-shadow: 4px 4px 10px rgba(39, 44, 41, 0.734);
    display: none;
    transition: opacity 0.5s ease;
}

#img1:checked~.display-area #gallery1,
#img2:checked~.display-area #gallery2,
#img3:checked~.display-area #gallery3,
#img4:checked~.display-area #gallery4,
#img5:checked~.display-area #gallery5,
#img6:checked~.display-area #gallery6,
#img7:checked~.display-area #gallery7,
#img8:checked~.display-area #gallery8 {
    display: block;
}

.gallery-links {
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
    padding: 20px;
    background: #f9f9f9;
    margin-top: 20px;
}

.gallery-links label {
```



```
        text-decoration: none;
        font-weight: bold;
        color: #000;
        margin: 10px;
        cursor: pointer;
        transition: color 0.3s;
    }

    .gallery-links label:hover {
        color: #007BFF;
    }

    @media (max-width: 600px) {
        .display-area img {
            max-width: 95%;
            max-height: 200px;
        }
    }
</style>
</head>

<body>

    <input type="radio" name="gallery" id="img1">
    <input type="radio" name="gallery" id="img2">
    <input type="radio" name="gallery" id="img3">
    <input type="radio" name="gallery" id="img4">
    <input type="radio" name="gallery" id="img5">
    <input type="radio" name="gallery" id="img6">
    <input type="radio" name="gallery" id="img7">
    <input type="radio" name="gallery" id="img8">

    <div class="display-area">
        

        
```



```











</div>

,<div >
    <h2>Responsive Photo Gallery using CSS Only</h2>
</div>
<div class="gallery-links">
<label for="img1">Gallery 1</label>
<label for="img2">Gallery 2</label>
<label for="img3">Gallery 3</label>
<label for="img4">Gallery 4</label>
<label for="img5">Gallery 5</label>
<label for="img6">Gallery 6</label>
<label for="img7">Gallery 7</label>
<label for="img8">Gallery 8</label>
</div>

</body>

</html>
```