

No.	
1.	<p>Create a CSS-only solution to create a responsive navigation menu that transforms into a mobile-friendly menu when the screen width is below a certain threshold. Explain how media queries are used.</p>
1.	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <style> /* CSS for the responsive navigation menu */ nav { display: flex; justify-content: space-between; background-color: #333; padding: 10px; } ul { list-style: none; display: flex; margin: 0; padding: 0; } li { margin-right: 20px; } @media screen and (max-width: 768px) { ul { flex-direction: column; align-items: center; } li { margin: 10px 0; } } </style> </head> <body> <nav> Home About Contact </nav> </body> </html> </pre>
2.	<p>Implement a CSS-only toggle switch that changes its appearance when toggled on and off. Add jQuery functionality to show an alert when the switch state changes.</p>
2.	<pre> <!DOCTYPE html> <html lang="en"> </pre>

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<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* CSS for the toggle switch */
    .toggle-switch {
      position: relative;
      display: inline-block;
      width: 60px;
      height: 34px;
    }
    .toggle-switch input {
      opacity: 0;
      width: 0;
      height: 0;
    }
    .slider {
      position: absolute;
      cursor: pointer;
      top: 0;
      left: 0;
      right: 0;
      bottom: 0;
      background-color: #ccc;
      transition: .4s;
    }
    .slider:before {
      position: absolute;
      content: "";
      height: 26px;
      width: 26px;
      left: 4px;
      bottom: 4px;
      background-color: white;
      transition: .4s;
    }
    input:checked + .slider {
      background-color: #2196F3;
    }
    input:checked + .slider:before {
      transform: translateX(26px);
    }
  </style>
</head>
<body>
  <label class="toggle-switch">
    <input type="checkbox" id="myToggle" onchange="toggleChanged()">
    <span class="slider"></span>
  </label>
  <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
  <script>
    // jQuery to show an alert when the switch state changes
    function toggleChanged() {
      if ($('#myToggle').is(":checked")) {
        alert("Switch is ON");
      }
    }
  </script>

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	<pre> } else { alert("Switch is OFF"); } } </script> </body> </html> </pre>
3.	<p>Create a CSS-only modal dialog box. Add jQuery functionality to show and hide the modal when a button is clicked.</p>
3.	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <style> /* CSS for the modal */ .modal { display: none; position: fixed; z-index: 1; left: 0; top: 0; width: 100%; height: 100%; overflow: auto; background-color: rgba(0, 0, 0, 0.5); } .modal-content { background-color: #fefefe; margin: 15% auto; padding: 20px; border: 1px solid #888; width: 80%; } .close { color: #aaa; float: right; font-size: 28px; font-weight: bold; } </style> </head> <body> <button onclick="openModal()">Open Modal</button> <div id="myModal" class="modal"> <div class="modal-content"> &times; <p>This is a modal dialog box.</p> </div> </div> <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script> <script> // jQuery to show and hide the modal function openModal() { </pre>

	<pre> \$("#myModal").css("display", "block"); } function closeModal() { \$("#myModal").css("display", "none"); } </script> </body> </html> </pre>
4.	<p>Create a CSS-only responsive image gallery with a lightbox effect. Add jQuery functionality to open the lightbox when an image is clicked.</p>
4.	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <style> /* CSS for the image gallery */ .gallery { display: flex; flex-wrap: wrap; justify-content: space-around; } .gallery img { width: 100%; max-width: 300px; height: auto; cursor: pointer; } .lightbox { display: none; position: fixed; z-index: 1; left: 0; top: 0; width: 100%; height: 100%; overflow: auto; background-color: rgba(0, 0, 0, 0.9); } .lightbox-content { display: flex; justify-content: center; align-items: center; height: 100%; } .lightbox img { width: 80%; max-width: 800px; height: auto; } </style> </pre>


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        height: auto;
        cursor: pointer;
    }

    .lightbox {
        display: none;
        position: fixed;
        z-index: 1;
        left: 0;
        top: 0;
        width: 100%;
        height: 100%;
        overflow: auto;
        background-color: rgba(0, 0, 0, 0.9);
    }

    .lightbox-content {
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100%;
    }

    .lightbox img {
        width: 80%;
        height: auto;
    }
</style>
</head>
<body>
    <div class="gallery">
        
        
        
    </div>
    <div id="lightbox" class="lightbox" onclick="closeLightbox()">
        <div class="lightbox-content">
            <img src="" id="lightboxImage" alt="Lightbox Image">
        </div>
    </div>
    <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
    <script>
        // jQuery to open and close the lightbox
        function openLightbox(imageSrc) {
            $("#lightboxImage").attr("src",
            "https://th.bing.com/th/id/R.d07afc5929cbafbd63514884c9989167?rik=bTGva4xo87

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	<pre> hn3Q&riu=http%3a%2f%2fwww.pixelstalk.net%2fwp- content%2fuploads%2f2016%2f06%2fDesktop-High-Res-HD-Wallpapers-Free- Download.jpg&ehk=0xK0YKiPIoEOgTLV16KJ0SKs9TqPLOvwaw5t98CEFNw% 3d&risl=&pid=ImgRaw&r=0"); \$("#lightbox").css("display", "flex"); } function closeLightbox() { \$("#lightbox").css("display", "none"); } </script> </body> </html> </pre>
4.	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"> </script> <style> body { display: flex; flex-direction: column; justify-content: space-around; align-items:center; } #display { height: 550px; width: 550px; border: 2px black solid; overflow: hidden; } #container { margin-top:10px; height: 200px; width: 700px; border: 2px solid black; display: flex; justify-content: space-between; overflow:hidden; } </style> <title>Document</title> </head> <body> <div id="display"> </div> <div id="container"> <img src="https://images.unsplash.com/photo-1701198067277- </pre>

