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| **Question:** What is jQuery? |
| **Answer:**  JQuery is a popular open-source JavaScript library full of pre-built code solutions that make it much easier to use JavaScript on your website. Written by Artturi Jalli. |
| **Question:** How to Apply CSS Using JQuery? |
| **Answer:**  We can do CSS manipulation using jQuery methods such as css(), addClass(), removeClass(), toggleClass(), etc. The css() method applies or fetches one or more style properties of an element. The addClass() method detects whether an element has a class or not. The removeClass() method removes class names from elements. |
| **Question:** How to Add Class and Remove Class in Jquery? |
| **Answer:**  addClass() method to add multiple classes to an element. We simply need to pass a string of class names separated by a space as the argument. To remove multiple classes, we use the removeClass() method and pass in the same string of class names. |
| **Question:** How to create slider with animation? |
| **Answer:**  To design an image slider using jQuery, one can adopt the following approach. First, create a container element to hold the images and set its dimensions. Next, add the necessary styling to position the images within the container element. Then, create an array to hold the image URLs and use jQuery to dynamically populate the container with the images.  Next, create a function to handle the slide animation. This function should update the position of the images within the container and also handle the transition effects. To create a smooth animation, it is important to use jQuery's animation functions and set appropriate timing and easing parameters.  Additionally, create a timer to automatically advance the slide after a specified time interval. This can be done using the setInterval() function in jQuery. It is important to also handle user interactions with the slider, such as pausing or stopping the animation.  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>How to Design Image Slider using jQuery?</title>      <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>     <style>        .slider-container {           width: 100%;           height: 300px;           overflow: hidden;           position: relative;        }        .slide {           width: 100%;           height: 500px;           position: absolute;           top: 0;           left: 0;           opacity: 0;           transition: opacity 0.5s ease-in-out;        }        .active {           opacity: 1;        }        .prev,        .next {           position: absolute;           top: 50%;           transform: translateY(-50%);           font-size: 30px;           font-weight: bold;           color: white;           background-color: rgba(0, 0, 0, 0.5);           padding: 10px 15px;           border: none;           cursor: pointer;        }        .prev:hover,        .next:hover {           background-color: rgba(0, 0, 0, 0.8);        }        .prev {           left: 0;        }        .next {           right: 0;        }        .dots {           position: absolute;           bottom: 20px;           left: 50%;           transform: translateX(-50%);           display: flex;        }        .dot {           width: 15px;           height: 15px;           border-radius: 50%;           background-color: rgba(255, 255, 255, 0.5);           margin: 0 10px;           cursor: pointer;        }        .active-dot {           background-color: white;        }     </style>  </head>  <body>     <h4>How to Design Image Slider using jQuery?</h4>     <div class="slider-container">        <div class="slide active">           <img src="https://picsum.photos/1200/500?random=1" alt="Slide 1">        </div>        <div class="slide">           <img src="https://picsum.photos/1200/500?random=2" alt="Slide 2">        </div>        <div class="slide">           <img src="https://picsum.photos/1200/500?random=3" alt="Slide 3">        </div>        <button class="prev">❮</button>        <button class="next">❯</button>        <div class="dots">           <div class="dot active-dot"></div>           <div class="dot"></div>           <div class="dot"></div>        </div>     </div>     <script>        $(document).ready(function () {           let slideCount = $('.slide').length;           let currentIndex = 0;           $('.slide').hide();           $('.active').show();           $('.prev').on('click', function () {              currentIndex--;              if (currentIndex < 0) {                 currentIndex = slideCount - 1;              }              showSlide(currentIndex);           });           $('.next').on('click', function () {              currentIndex++;              if (currentIndex >= slideCount) {                 currentIndex = 0;              }              showSlide(currentIndex);           });           $('.dot').on('click', function () {              currentIndex = $(this).index();              showSlide(currentIndex);           });           function showSlide(index) {              $('.slide').hide().removeClass('active');              $('.dot').removeClass('active-dot');              $('.slide').eq(index).show().addClass('active');              $('.dot').eq(index).addClass('active-dot');           }           showSlide(currentIndex);        });     </script>  </body>  </html> |