- How do you create an ordered list in HTML?
- What is the purpose of the rel attribute in anchor tags?
- Explain the difference between HTML and HTML5.
- How can you embed an image in an HTML document?
- What is semantic HTML, and why is it important?
- How do you create a comment in HTML?
- What does the CSS property display: none; do?
- What is the CSS box-sizing property used for?
- What is a CSS selector, and how does it work?
- How can you make text bold in HTML?
- What is the difference between padding and margin in CSS?
- How do you create a hyperlink without an underline in CSS?
- What is the purpose of the <meta> tag in HTML?
- How can you create a responsive web design?
- Explain the difference between inline and block-level elements in HTML.
- How do you create a table in HTML?
- What does the <!DOCTYPE> declaration do in HTML?
- What is the purpose of the alt attribute in the <img> tag?
- How can you apply multiple CSS styles to an element?
- What is the CSS float property used for?
- How do you add a background color to an HTML element?
- Explain the concept of the CSS "box model."
- How do you create a form in HTML?
- What is the purpose of the <header> and <footer> elements in HTML5?
- How do you create a dropdown menu in HTML?
- What is the difference between HTTP and HTTPS?
- How do you link an external CSS file to an HTML document?
- What is the purpose of the HTML <canvas> element?
- How can you center an element both horizontally and vertically in CSS?
- Explain the concept of CSS specificity.
- What is the CSS position property used for?
- How do you add a background image to an HTML element?
- What is the difference between <div> and <span> elements in HTML?
- How can you make a list item a link in HTML?
- What is the CSS z-index property used for?
- How do you create an unordered list in HTML?
- What are media queries in CSS, and why are they used?
- What is the purpose of the HTML <video> element?
- How can you add a border to an HTML element using CSS?
- What is the difference between padding and margin in CSS?
- How do you create a responsive navigation menu in CSS?
- Explain the concept of CSS pseudo-classes.
- What is the CSS flexbox layout model, and how does it work?
- How do you embed a YouTube video in an HTML document?

- What is the CSS transition property used for?
- How do you create a button in HTML?
- What is the purpose of the target="_blank" attribute in anchor tags?
- How can you make an element disappear with CSS animation?
- How do you create a link that opens an email client with a pre-filled subject?
- How can you add a box shadow to an HTML element?
- What is the purpose of the HTML <audio> element?
- How do you create a responsive image gallery in HTML and CSS?
- Explain the concept of CSS inheritance.
- What is the CSS grid layout model, and how does it work?
- How do you create a tooltip in HTML and CSS?
- What is the CSS overflow property used for?
- How can you make an element gradually change color with CSS animation?
- How do you create a responsive two-column layout in CSS?
- What is the purpose of the download attribute in anchor tags?
- How can you create a dropdown select menu in HTML?
- Explain the concept of CSS specificity.
- What is the CSS transform property used for?
- How do you add a favicon to a website?
- How can you hide an element in CSS without using display: none;?
- What is the purpose of the HTML <fieldset> and <legend> elements?
- How do you create a horizontal navigation menu in CSS?
- What is the CSS animation property used for?
- How can you create a responsive three-column layout in CSS?
- Explain the difference between absolute and relative positioning in CSS.
- How do you create a responsive image slider in HTML and CSS?
- What is the purpose of the HTML <aside> element?
- How can you add a background gradient to an HTML element?
- What is the CSS translate property used for?
- How do you create a responsive single-page website in HTML and CSS?
- Explain the concept of CSS pseudo-elements.
- What is the CSS position: sticky; property used for?
- How can you create a modal popup window in HTML, CSS, and JavaScript?
- What is the purpose of the HTML <nav> element?
- How do you create a responsive image with fixed aspect ratio in CSS?
- What is the CSS clip-path property used for?
- How can you create a responsive landing page in HTML and CSS?
- Explain the concept of CSS transitions and keyframes.
- What is the CSS object-fit property used for?
- How do you create a responsive navigation bar with a hamburger menu in CSS?
- What is the purpose of the HTML <figure> and <figcaption> elements?
- How can you create a sticky header in CSS when scrolling?
- What is the CSS filter property used for?

- How do you create a responsive form with validation in HTML and JavaScript?
- Explain the concept of CSS units of measurement (e.g., px, em, rem).
- What is the CSS backface-visibility property used for?
- How can you create a responsive pricing table in HTML and CSS?
- What is the purpose of the HTML <details> and <summary> elements?
- How do you create a responsive image gallery with lightbox in HTML, CSS, and JavaScript?
- Explain the concept of CSS grid gap and grid template areas.
- What is the CSS mix-blend-mode property used for?
- How can you create a responsive dropdown menu with multi-level navigation in CSS?
- What is the purpose of the HTML <mark> element?
- How do you create a responsive timeline or progress bar in HTML and CSS?
- Explain the concept of CSS custom properties (variables) and their benefits.

- What is the CSS Box Model? (easy)
- Explain the difference between margin and padding in CSS. (easy)
- How do you center an element horizontally in CSS? (easy)
- What is the difference between display: inline; and display: inline-block; in CSS? (easy)
- Describe the CSS Flexbox layout model. (easy)
- What is a CSS pseudo-class? Give an example. (easy)
- What is the purpose of the z-index property in CSS? (easy)
- What does the position property in CSS do? (easy)
- How do you create a responsive design in CSS? (easy)
- What is the @media rule in CSS used for? (easy)
- Explain the difference between localStorage and sessionStorage in JavaScript. (easy)
- How do you declare a variable in JavaScript? (easy)
- What is the purpose of the console.log() function in JavaScript? (easy)
- Describe the use of the addEventListener method in JavaScript. (easy)
- How do you make an HTTP GET request in JavaScript using the fetch API? (easy)
- What is an arrow function in JavaScript? (easy)
- Explain the concept of callback functions in JavaScript. (easy)
- How do you declare a constant variable in JavaScript? (easy)
- What is the purpose of the this keyword in JavaScript? (easy)
- How do you remove an item from an array in JavaScript? (easy)
- Describe the difference between synchronous and asynchronous code execution in JavaScript. (easy)
- What is the Document Object Model (DOM) in web development? (easy)

- How do you create a new HTML element using JavaScript? (easy)
- What is the purpose of the innerHTML property in JavaScript? (easy)
- Explain the concept of event delegation in JavaScript. (easy)
- How do you add and remove CSS classes from an HTML element in JavaScript? (easy)
- What is the purpose of the JSON.parse() method in JavaScript? (easy)
- What is the difference between an HTTP GET request and an HTTP POST request? (easy)
- How do you handle form submissions in JavaScript? (easy)
- What is a JavaScript Promise? (easy)
- What is a closure in JavaScript? (easy)
- Explain the concept of hoisting in JavaScript. (easy)
- What is the purpose of the setTimeout() function in JavaScript? (easy)
- How do you check if a variable is of a specific data type in JavaScript? (easy)
- Describe the difference between local scope and global scope in JavaScript. (easy)
- What is the purpose of the localStorage API in web development? (easy)
- How do you create a responsive navigation menu in HTML and CSS? (easy)
- What is the purpose of the transition property in CSS? (easy)
- How do you create a sliding image carousel in HTML and CSS? (easy)
- Explain the concept of media queries in CSS. (easy)
- How do you hide an HTML element using CSS? (easy)
- What is a callback hell in JavaScript? (med)
- Describe the difference between let, const, and var in JavaScript. (med)
- What is the Event Loop in JavaScript? (med)
- Explain the concept of CORS (Cross-Origin Resource Sharing) in web development. (med)
- What is a RESTful API? (med)
- How do you handle errors in asynchronous JavaScript code? (med)
- What is the difference between a function declaration and a function expression in JavaScript? (med)
- Describe the use of the Promise.all() method in JavaScript. (med)
- How do you perform form validation in JavaScript? (med)
- Explain the concept of AJAX (Asynchronous JavaScript and XML) in web development. (med)
- What is the purpose of the async and await keywords in JavaScript? (med)
- How do you create a modal dialog box in HTML, CSS, and JavaScript? (med)
- Describe the concept of code splitting in JavaScript. (med)
- How do you handle routing in a single-page application (SPA) using JavaScript frameworks like React or Vue.js? (med)
- Explain the concept of state management in front-end frameworks like Redux (for React) or Vuex (for Vue.js). (med)
- How do you optimize the performance of a website or web application? (med)
- What is the purpose of the box-sizing property in CSS? (med)

- How do you implement responsive typography in web design? (med)
- Describe the differences between HTTP and HTTPS. (med)
- How do you secure a web application against common security vulnerabilities, such as Cross-Site Scripting (XSS) or Cross-Site Request Forgery (CSRF)? (med)
- Explain the concept of the Same-Origin Policy in web security. (med)
- How do you create a sticky navigation bar in HTML and CSS? (med)
- What is the purpose of the localStorage API in web development? (med)
- How do you create a custom dropdown menu using HTML, CSS, and JavaScript? (med)
- Explain the concept of WebSockets and real-time communication in web development. (med)
- How do you implement lazy loading of images in a web page? (med)
- Describe the principles of responsive web design and its importance. (med)
- How do you implement animations in web development using CSS or JavaScript? (med)
- What are the differences between ES6, ES7, and ES8 in JavaScript? (med)
- Explain the concept of memoization in JavaScript for performance optimization. (med)
- How do you implement a dark mode theme toggle in a web application using JavaScript? (med)
- Describe the differences between the Document Object Model (DOM) and the Virtual DOM in web development. (med)
- How do you handle user authentication and authorization in a web application? (med)
- What is the purpose of the @keyframes rule in CSS animations? (med)
- How do you create a responsive grid layout in CSS using Flexbox or CSS Grid? (med)
- Explain the concept of code splitting in JavaScript for improving page load times. (med)
- How do you use localStorage and sessionStorage for client-side data storage in web development? (med)
- What is the difference between a GET request and a POST request in HTTP? (med)
- How do you optimize the performance of a website or web application for mobile devices? (med)
- Describe the concept of progressive web apps (PWAs) and their benefits. (med)
- How do you implement server-side rendering (SSR) in web development using frameworks like Next.js (for React) or Nuxt.js (for Vue.js)? (med)
- Explain the purpose of the content property in CSS for pseudo-elements. What is the CSS box-sizing property, and how does it affect the sizing of elements? (easy)
- Explain the difference between the class and id selectors in CSS. (easy)

- What is the CSS display property, and how does it impact the layout of elements on a webpage? (easy)
- Describe the difference between the localStorage and sessionStorage objects in JavaScript. (easy)
- How can you make a website responsive to different screen sizes using CSS media queries? (med)
- Explain the purpose of the HTML meta tag and some common attributes used with it. (easy)
- What is the role of the HTML head element in a webpage, and what are some common child elements it can contain? (easy)
- How do you create a hyperlink that opens an email client when clicked in HTML? (easy)
- What is the purpose of the JavaScript addEventListener method, and how do you use it to handle events? (easy)
- How do you implement a simple form validation in HTML and JavaScript? (med)
- Explain the concept of asynchronous programming in JavaScript and provide an example of using callbacks. (med)
- What are closures in JavaScript, and why are they useful? (med)
- Describe the difference between let, const, and var when declaring variables in JavaScript. (easy)
- How can you create a dropdown menu using HTML and CSS? (easy)
- What is the purpose of the CSS z-index property, and how does it affect the stacking order of elements on a webpage? (med)
- What is the purpose of the HTML form element, and how do you handle form submissions using JavaScript? (easy)
- Explain the concept of event delegation in JavaScript and its benefits. (med)
- What is the difference between a local variable and a global variable in JavaScript? (easy)
- How do you make an element's background transparent using CSS? (easy)
- Describe the difference between synchronous and asynchronous JavaScript code execution. (med)
- What is the Document Object Model (DOM) in web development, and how is it used to manipulate HTML elements with JavaScript? (easy)
- How do you create a responsive navigation menu that collapses into a mobile-friendly menu on smaller screens using CSS? (med)
- Explain the concept of "this" in JavaScript and how its value can change depending on the context. (med)
- What is the purpose of the HTML iframe element, and how can it be used to embed external content into a webpage? (easy)
- Describe the benefits of using CSS preprocessors like Sass or Less in web development. (med)
- What is the purpose of the fetch API in JavaScript, and how do you use it to make HTTP requests? (med)

- Explain the concept of callback hell and how it can be mitigated using promises or async/await in JavaScript. (med)
- What is the difference between HTTP and HTTPS, and why is HTTPS important for web security? (easy)
- How can you vertically center an element within its parent using CSS? (easy)
- What is the role of the HTML label element, and how does it improve accessibility for form controls? (med)

- Write a JavaScript function to find the largest number in an array. (easy)
- How can you merge two arrays in JavaScript? (easy)
- Explain the difference between the push and pop methods for manipulating arrays in JavaScript. (easy)
- What is the purpose of the splice method in JavaScript arrays, and how do you use it? (easy)
- Write a JavaScript function to reverse a string. (easy)
- How do you convert a string to lowercase in JavaScript? (easy)
- Describe the concept of event propagation in JavaScript and the use of event.stopPropagation(). (med)
- What is the CSS position property, and how does it affect the positioning of elements? (easy)
- How can you create a CSS animation in web development? (med)
- What is the purpose of the transform property in CSS, and how can you use it to scale an element? (easy)
- Explain the CSS box-shadow property and how it is used to create shadows around elements. (med)
- How do you add a border to an HTML element using CSS? (easy)
- Write a JavaScript function to calculate the factorial of a number. (med)
- What is the purpose of the typeof operator in JavaScript, and how can it be used to check the data type of a variable? (easy)
- Describe the difference between HTTP GET and POST requests. (easy)
- How do you remove all duplicates from an array in JavaScript? (med)
- What is the difference between localStorage and sessionStorage in terms of storage duration and scope? (easy)
- Explain the concept of event delegation in the context of JavaScript and its benefits. (med)
- How can you change the background color of a webpage using CSS? (easy)
- Write a JavaScript function to find the sum of all elements in an array. (easy)
- Describe the CSS flexbox layout model and its advantages for building responsive web designs. (med)
- How do you add custom fonts to a webpage using CSS? (med)

- What is the purpose of the HTML meta tag, and how can it be used to specify character encoding? (easy)
- How do you create a responsive navigation menu using CSS media queries? (med)
- Write a JavaScript function to shuffle the elements of an array. (med)
- What is the CSS float property, and how can it be used to create text wrapping around an element? (med)
- How do you check if an element has a specific class using JavaScript? (easy)
- Explain the concept of the CSS box-sizing property and its impact on element sizing. (med)
- What is the purpose of the localStorage object in JavaScript, and how do you store and retrieve data from it? (med)
- How can you create a simple CSS animation for a button hover effect? (med)
- Write a JavaScript function to remove all whitespace from a string. (med)
- Describe the concept of callback functions in JavaScript and provide an example of their use. (med)
- How do you create a fixed navigation bar that remains at the top of the viewport while scrolling in CSS? (med)
- What is the CSS border-radius property, and how does it affect the appearance of elements? (med)
- Explain the concept of event listeners in JavaScript and how they are used to respond to user interactions. (med)
- How do you prevent a form from submitting when a button is clicked using JavaScript? (med)
- Write a JavaScript function to check if a given string is a palindrome. (med)
- What is the CSS box-sizing property, and how does it affect the sizing of elements? (easy)
- How can you make an element's background transparent using CSS? (easy)
- Describe the CSS z-index property and its role in controlling the stacking order of elements. (med)
- How do you create a dropdown menu using HTML and CSS? (easy)
- Write a JavaScript function to capitalize the first letter of each word in a string. (med)
- Explain the purpose of the HTML label element and how it improves accessibility for form controls. (med)
- How do you create a responsive image that scales with the screen size using CSS? (med)
- What is the purpose of the async and defer attributes when including JavaScript files in an HTML document? (med)
- Write a JavaScript function to find the median value of an array of numbers. (med)
- Describe the concept of promises in JavaScript and how they are used to handle asynchronous operations. (med)

- How can you set a background image for an HTML element using CSS? (easy)
- Explain the concept of variable hoisting in JavaScript and how it affects the scope of variables. (med)
- How do you create a horizontal scrollable container for content that overflows its container using CSS? (med)