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 -  Practice by framework
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 -  Focus areas
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We recommend these 4 areas of learning to prepare you holistically for your front end interview rounds. Explore guides and 200+ practice questions here.

Coding

3 subcategories of questions: JavaScript, User Interfaces & Data...

Quiz

Trivia-style front end questions asked across all interview rounds

System Design

Design, architecture and optimization decisions for common front end apps

Behavioral

Strategies to tackle the wide domain of behavioral interviews, specific to...

Recommended focus areas

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Async Operations



Data Structures & Algori...



Design System Compon...



Lodash Functions

 Coding

 Quiz

 System Design

 Behavioral

 JavaScript Utilities

 User Interface

 Data Structures & Algorithms

 Search coding q...

 Company

 Difficulty

 Framework

 Progress

 Sort By

 144 questions

 44 hours total

Study plans



We help you get ready within 1 week, 1 month or 3 months

 Counter 	Build a simple counter that increments whenever a button is clicked	 Easy      9562 completed	
 Stack	Implement a stack data structure containing the common stack methods	 Easy   3362 completed	
 Type Utilities	Implement utilities to determine primitive variable types in JavaScript	 Easy   2828 completed	
 Contact Form	Build a contact form which submits user feedback and contact details to a back end API	 Easy   5242 completed	
 Cycle	Implement a function that takes one or more values and returns a function that cycles through those values each time it is called	 Easy   555 completed	
 Holy Grail	Build the famous holy grail layout consisting of a header, 3 columns, and a footer	 Easy   4186 completed	
 Insertion Sort	Implement a function that performs an insertion sort	 Easy   1445 completed	
 Type Utilities II	Implement utilities to determine non-primitive variable types in JavaScript	 Easy   1231 completed	

Study guides

[See all →](#)


- 1 Coding Questions >
- 2 Algorithm Questions >
- 3 JavaScript Questions >
- 4 User Interface Questions >
- 5 UI Questions Cheatsheet >
- 6 UI Components API Design Principles >

Mortgage Calculator	Build a calculator that computes the monthly mortgage for a loan	→
 Easy	 	 862 completed
Binary Search	Implement a function that performs binary search on an array of numbers	→
 Medium	 	 1575 completed
Breadth-first Search	Implement a breadth-first search algorithm that traverses a directed graph in a breadth-first manner	→
 Medium	 	 628 completed
Count By	Implement a function that counts the number of times a value appears in an array based on a function or property name	→
 Medium	 	 535 completed
Debounce	Implement a function to limit how many times a function can be executed by delaying the execution of the function until after a specified time after its last execution attempt	→
 Medium	 	 2915 completed
Depth-first Search	Implement a depth-first search algorithm that traverses a directed graph in a depth-first manner	→
 Medium	 	 652 completed
Heap Sort	Implement a function that performs a heap sort	→
 Medium	 	 222 completed
Queue	Implement a queue data structure containing the common queue methods	→
 Medium	 	 725 completed
Tabs	Build a tabs component that displays a list of tab elements and one associated panel of content at a time	→
 Medium	 	 1418 completed
Classnames	Implement a function that conditionally joins CSS class names together	→
 Medium	  	 959 completed
Event Emitter	Implement a class that can subscribe to and emit events that trigger attached callback functions	→
 Medium	 	 418 completed
Flatten	Implement a function that recursively flattens an array into a single level deep	→
 Medium	 	 3046 completed
Merge Sort	Implement a function that performs a recursive merge sort	→
 Medium	 	 347 completed
Promise.all	Implement the Promise.all() function that resolves to an array of results if all the input elements are resolved or rejects otherwise	→
 Medium	 	 1857 completed
Quick Sort	Implement a function that performs a recursive quick sort	→
 Medium	 	 283 completed
Todo List	Build a Todo list that lets users add new tasks and delete existing tasks	→
 Medium	 	 2325 completed

Topological Sort	Implement a function that performs a topological sort	→
	Medium 109 completed	
Traffic Light	Build a traffic light where the lights switch from green to yellow to red after predetermined intervals and loop indefinitely	→
	Medium 766 completed	
Deep Clone	Implement a function that performs a deep copy of a value	→
	Medium 1141 completed	
Digital Clock	Build a 7-segment digital clock that shows the current time	→
	Medium 486 completed	
Job Board	Build a job board that displays the latest job postings from Hacker News	→
	Medium 535 completed	
Clamp	Implement a function to clamp a number within the inclusive lower and upper bounds	→
	Easy 2196 completed	
Function Length	Implement a function that returns the number of parameters expected by a function	→
	Easy 1776 completed	
Make Counter	Implement a function that accepts an integer value and returns a function that can be repeatedly called to return increasing values	→
	Easy 1565 completed	
Number of Arguments	Implement a function that returns the number of arguments it was called with	→
	Easy 1513 completed	
Sleep	Implement a function that pauses for a specified duration before resuming execution	→
	Easy 1513 completed	
Array.prototype.square	Implement a custom Array.prototype.square() method that squares the values in an array	→
	Easy 2443 completed	
Cancellable Interval	Implement a function that acts like setInterval but returns a function to cancel the interval	→
	Easy 1192 completed	
Cancellable Timeout	Implement a function that acts like setTimeout but returns a function to cancel the pending callback	→
	Easy 1098 completed	
Chunk	Implement a function that creates an array of elements split into smaller groups of a specified size	→
	Easy 1400 completed	
Compact	Implement a function that creates an array with all falsey values removed	→
	Easy 1340 completed	
Difference	Implement a function that finds the difference in values between arrays	→
	Easy 1130 completed	

Drop Right While	Implement a function that excludes elements from the end of an array until the predicate returns false		869 completed	→
Drop While	Implement a function that excludes elements from the beginning of an array until the predicate returns false		793 completed	→
Fill	Implement a function that fills an array with values within specified indices		708 completed	→
Find Index	Implement a function that returns the index of the first element in the array that satisfies the provided testing function		711 completed	→
Find Last Index	Implement a function that returns the index of the last element in the array that satisfies the provided testing function		562 completed	→
From Pairs	Implement a function that returns an object composed from key-value pairs		870 completed	→
Function.prototype.apply	Implement the Function.prototype.apply() function that calls the function with a given 'this' value and arguments as an array		484 completed	→
Function.prototype.call	Implement the Function.prototype.call() function that calls the function with a given 'this' value and provided arguments		455 completed	→
Get	Implement a function to safely access deeply-nested properties in JavaScript objects		1915 completed	→
In Range	Implement a function to check if a number falls between two numbers		670 completed	→
Intersection	Implement a function that computes the intersection of arrays, returning a new array containing unique values present in all given arrays		418 completed	→
Object Map	Implement a function to transform values within an object		358 completed	→
Once	Implement a function that accepts a callback and restricts its invocation to at most once		997 completed	→
Promise.reject	Implement a function to return a Promise object rejected with a reason		592 completed	→
Selection Sort	Implement a function that performs a selection sort		848 completed	→
Singleton	Implement a Singleton class that ensures a class has only one instance while providing a global point of access to that instance		180 completed	→

	Easy	Medium	Hard	100% completed
 Unique Array	Implement a function to remove all duplicate values from an array →			
 Accordion	Build an accordion component that displays a list of vertically stacked sections with each containing a title and content snippet →			
 <code>Array.prototype.at</code>	Implement the <code>Array.prototype.at()</code> method →			
 <code>Array.prototype.filter</code>	Implement the <code>Array.prototype.filter()</code> method →			
 <code>Array.prototype.map</code>	Implement the <code>Array.prototype.map()</code> method →			
 <code>Array.prototype.reduce</code>	Implement the <code>Array.prototype.reduce()</code> method →			
 Compose	Implement a function that takes multiple functions as arguments and returns a new function that applies those functions in reverse →			
 Flight Booker	Build a component that books a flight for specified dates →			
 <code>Function.prototype.bind</code>	Implement the <code>Function.prototype.bind()</code> function that creates a new function with the 'this' keyword set to a provided value →			
 Generate Table	Generate a table of numbers given the rows and columns →			
 <code>jQuery.css</code>	Implement a jQuery-like function that sets the style of a DOM element →			
 Progress Bar	Build a progress bar component that shows the percentage completion of an operation →			
 Progress Bars	Build a list of progress bars that fill up gradually when they are added to the page →			
 <code>Promise.race</code>	Implement the <code>Promise.race()</code> function that resolves or rejects when any of the input elements are resolved or rejected →			
 Size	Implement a function that returns the size of collection →			
 Sum	Implement a function that sums numbers by accepting a number and allows for repeated calling with more numbers until it is not called with any number →			

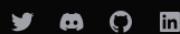
Temperature Converter	Build a temperature converter widget that converts temperature values between Celsius and Fahrenheit		
Easy		988 completed	
Tweet	Build a component that resembles a Tweet from Twitter		
Easy		542 completed	
Make Counter II	Implement a function that returns a counter object with methods to retrieve and manipulate the value		
Medium		498 completed	
Array.prototype.concat	Implement the Array.prototype.concat() method		
Medium		222 completed	
Curry	Implement a function that transforms a function that takes multiple arguments into a function that can be repeatedly called with only one argument at a time		
Medium		1617 completed	
Group By	Implement a function that groups values in an array based on a function or property name		
Medium		241 completed	
Intersection By	Implement a function that returns an array of unique values that are included in all given arrays based on a provided iteratee function		
Medium		192 completed	
Intersection With	Computes the intersection of arrays using a custom comparator function to determine equality between elements		
Medium		152 completed	
Is Empty	Implement a function to check if a value is an empty object, collection, map, or set		
Medium		300 completed	
Limit	Implement a function that accepts a callback and restricts its invocation to at most N times		
Medium		531 completed	
Promise Merge	Implement a function to merge the results of two promises into a single value		
Medium		306 completed	
Promise Timeout	Implement a function that resolves a promise if it is fulfilled within a timeout period and rejects otherwise		
Medium		315 completed	
Promise.resolve	Implement a function to resolve a given value to a Promise		
Medium		269 completed	
Promisify	Implement a function that takes a function following the common error-first callback style and returns a version that returns promises		
Medium		286 completed	
Promisify II	Implement a promisify function that allows the original function to override the return value		
Medium		107 completed	
Throttle	Implement a function to control the execution of a function by limiting how many times it can execute over time		

	can execute over time	
 Medium	 JS	 TS
 1251 completed		
Turtle		
 Implement a Turtle class that moves a turtle on a 2D plane		
 Medium	 JS	 TS
 117 completed		
Accordion II		
 Build an accessible accordion component that has the right ARIA roles, states, and properties		
 Medium	 React	 HTML
 272 completed		
Accordion III		
 Build a fully accessible accordion component that has keyboard support according to ARIA specifications		
 Medium	 React	 HTML
 140 completed		
Analog Clock		
 Build an analog clock where the hands update and move like a real clock		
 Medium	 React	 HTML
 214 completed		
Camel Case Keys		
 Implement a function to convert all the keys in an object to camel case		
 Medium	 JS	 TS
 446 completed		
Compact II		
 Implement a function that returns an object with all falsy values removed		
 Medium	 JS	 TS
 91 completed		
Curry II		
 Implement a function that transforms a function that takes multiple arguments into a function that can be repeatedly called with any number of arguments		
 Medium	 JS	 TS
 509 completed		
Data Merging		
 Implement a function to merge rows of data from the same user		
 Medium	 JS	 TS
 125 completed		
Debounce II		
 Implement a debounce function that comes with a cancel method to cancel delayed invocations and a flush method to immediately invoke them		
 Medium	 JS	 TS
 409 completed		
Event Emitter II		
 Implement a class that can subscribe to and emit events that trigger attached callback functions. Subscription objects are returned and can unsubscribe itself		
 Medium	 JS	 TS
 254 completed		
getElementsByTagName		
 Implement a function to get all DOM elements that match a tag		
 Medium	 HTML	 JS
 796 completed		
Grid Lights		
 Build a grid of lights where the lights deactivate in the reverse order they were activated		
 Medium	 React	 HTML
 320 completed		
HTML Serializer		
 Implement a function to serialize an object into an HTML string with indentation		
 Medium	 HTML	 JS
 196 completed		
Identical DOM Trees		
 Implement a function to determine if two DOM trees are the same		
 Medium	 HTML	 JS
 418 completed		
jQuery Class Manipulation		
 Implement a set of jQuery-like functions that manipulates classes on a DOM element		
 Medium	 HTML	 CSS
 312 completed		
JSON.stringify		
 Implement a function that converts a JavaScript value into a JSON string		

	Medium	JS	TS	237 completed	
 Like Button	Build a Like button that changes appearance based on the states				→
 List Format	Implement a function that formats a list of items into a single readable string				→
 Map Async	Implement a function that maps an array of items with an asynchronous mapping function				→
 Memoize	Implement a function that returns a memoized version of a function which accepts a single argument				→
 Progress Bars II	Build a list of progress bars that fill up gradually in sequence, one at a time				→
 Promise.allSettled	Implement the Promise.allSettled() function that resolves to an array of outcomes when all the input elements are either resolved or rejected				→
 Promise.any	Implement the Promise.any() function that resolves when any of the input elements are resolved				→
 Resumable Interval	Implement a function that creates a resumable interval object				→
 Squash Object	Implement a function that returns a new object after squashing the input object into a single level of depth				→
 Star Rating	Build a star rating component that shows a row of star icons for users to select the number of filled stars corresponding to the rating				→
 Tabs II	Build a semi-accessible tabs component that has the right ARIA roles, states, and properties				→
 Tabs III	Build a fully accessible tabs component that has keyboard support according to ARIA specifications				→
 Text Search	Implement a function to highlight text if a searched term appears within it				→
 Deep Equal	Implement a function that determines if two values are equal				→
 Deep Map	Implement a function to recursively transform values				→
 getElementsByClassName	Implement a function to get all DOM elements that contain the specified classes				→

		Medium		HTML		CSS		JS		TS		382 completed
		Map Async Limit		Implement a function that maps an array of items with an asynchronous mapping function while not exceeding the concurrency limit								
		Medium		JS		TS		33 completed				
		Progress Bars III		Build a list of progress bars that fill up gradually concurrently, up to a limit of 3								
		Medium		CSS		130 completed						
		Text Search II		Implement a function to highlight text if searched terms appear within it								
		Medium		HTML		JS		TS		125 completed		
		Tic-tac-toe		Build a tic-tac-toe game that is playable by two players								
		Medium		React		A		S		193 completed		
		Deep Merge		Implement a function that merges two objects together								
		Medium		JS		TS		60 completed				
		Deep Omit		Implement a function that removes specified keys and their corresponding values from an object, including nested objects or arrays								
		Medium		JS		TS		51 completed				
		Memoize II		Implement a function that returns a memoized version of a function which accepts any number of arguments								
		Medium		JS		TS		96 completed				
		Signup Form		Build a signup form that does validation on user details and submits to a back end API								
		Medium		Form		300 completed						
		Stopwatch		Build a stopwatch widget that can measure how much time has passed								
		Medium		React		A		S		162 completed		
		Transfer List		Build a component that allows transferring of items between two lists								
		Medium		React		A		S		169 completed		
		Undoable Counter		Build a counter with a history of the values and ability to undo/redo actions								
		Medium		React		A		S		144 completed		
		Whack-A-Mole		Build a popular arcade game where players attempt to hit moles as they pop up from holes in a board								
		Medium		React		A		S		64 completed		
		Memory Game		Build a memory game where the player needs to match pairs of cards								
		Medium		React		A		S		67 completed		
		Curry III		Implement a function which transforms a function which takes variadic arguments into a function that can be repeatedly called with any number of arguments								
		Hard		JS		TS		106 completed				
		Classnames II		Implement a function that conditionally joins CSS class names together and also handles de-duplication and function values								
		Hard		CSS		JS		TS		24 completed		
		Progress Bars IV		Build a list of progress bars that fill up gradually concurrently, up to a limit of 3 and allows								

	for pausing and resuming	→
	Backbone Model Implement a class resembling Backbone.Model which allows storing of attributes/values and responding to changes in specific attribute values	→
	Hard JS TS 70 completed	
	Data Selection Implement a function to filter rows of data matching a specified requirement	→
	Hard JS TS 210 completed	
	Table of Contents Implement a function to construct a table of contents from an HTML document	→
	Hard HTML JS TS 126 completed	
	Tic-tac-toe II Build an N x N tic-tac-toe game that requires M consecutive marks to win	→
	Hard React A S 41 completed	
	Transfer List II Build a component that allows transferring of items between two lists, bulk selection/unselection of items, and adding of new items	→
	Hard React 49 completed	
	Deep Clone II Implement a function that performs a deep copy of a value, but also handles circular references	→
	Hard JS TS 70 completed	
	JSON.stringify II Implement a function that converts a JavaScript value into a JSON string	→
	Hard JS TS 22 completed	
	Wordle Build Wordle, the word-guessing game that took the world by storm	→
	Hard React A S 31 completed	



English (US)

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