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TypeScript supported

190+ JavaScript and TypeScript interview questions, from implementing common library APIs, utility functions, algorithms, to building UI components and more.

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Array.prototype.concat

Implement the Array.prototype.concat() method

[JS](#) [TS](#)

Array.prototype.filter

Implement the Array.prototype.filter() method

[JS](#) [TS](#)

Debounce

Implement a function to limit how many times a function can be...

[JS](#) [TS](#)[Coding](#)[Quiz](#)[JavaScript Utilities](#)[User Interface](#)[Data Structures & Algorithms](#) Search coding questions[Sort By](#)[141 questions](#)[44 hours total](#)

Counter Warm Up Question

Build a simple counter that increments whenever a button is clicked

Easy

9563 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

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

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

Mortgage Calculator

Build a calculator that computes the monthly mortgage for a loan

Easy 861 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

[Free](#)**27**
questions[Premium](#)**114**
questions

Easy

51 questions

Medium

79 questions

Hard

11 questions

Company

Difficulty

Framework

Language

Progress

Coding Format

	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		
	A		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								486 completed	
	Job Board								535 completed	
	Clamp						2195 completed			
	Function Length						1776 completed			
	Make Counter						1564 completed			
	Number of Arguments						1513 completed			
	Sleep						1512 completed			
	Array.prototype.square						2443 completed			
	Cancellable Interval						1192 completed			
	Cancellable Timeout						1098 completed			
	Chunk						1400 completed			
	Compact						1340 completed			
	Difference						1130 completed			
	Drop Right While						869 completed			
	Drop While						793 completed			
	Fill						708 completed			
	Find Index						708 completed			

	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	↗
	669 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	↗
	357 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	↗
	169 completed	
	Unique Array Implement a function to remove all duplicate values from an array	↗
	1702 completed	
	Accordion Build an accordion component that displays a list of vertically stacked sections with each containing a title and content snippet	↗
	1292 completed	
	Array.prototype.at Implement the Array.prototype.at() method	↗
	382 completed	
	Array.prototype.filter	

	Implement the Array.prototype.filter() method	→
	Easy	
	Implement the Array.prototype.map() method	→
	Easy	
	Implement the Array.prototype.reduce() method	→
	Easy	
Compose		
	Implement a function that takes multiple functions as arguments and returns a new function that applies those functions in reverse	→
	Easy	
Flight Booker		
	Build a component that books a flight for specified dates	→
	Easy	
Function.prototype.bind		
	Implement the Function.prototype.bind() function that creates a new function with the 'this' keyword set to a provided value	→
	Easy	
Generate Table		
	Generate a table of numbers given the rows and columns	→
	Easy	
jQuery.css		
	Implement a jQuery-like function that sets the style of a DOM element	→
	Easy	
Progress Bar		
	Build a progress bar component that shows the percentage completion of an operation	→
	Easy	
Progress Bars		
	Build a list of progress bars that fill up gradually when they are added to the page	→
	Easy	
Promise.race		
	Implement the Promise.race() function that resolves or rejects when any of the input elements are resolved or rejected	→
	Easy	
Size		
	Implement a function that returns the size of collection	→
	Easy	
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	→
	Easy	
Temperature Converter		
	Build a temperature converter widget that converts temperature values between Celsius and Fahrenheit	→
	Easy	
Make Counter II		
	Implement a function that returns a counter object with methods to retrieve and manipulate the value	→
	Medium	
Array.prototype.concat		
	Implement the Array.prototype.concat() method	→
	Medium	
Curry		

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 JS TS 1617 completed	
Group By	Implement a function that groups values in an array based on a function or property name	→
	Medium JS TS 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 JS TS 192 completed	
Intersection With	Computes the intersection of arrays using a custom comparator function to determine equality between elements	→
	Medium JS TS 152 completed	
Is Empty	Implement a function to check if a value is an empty object, collection, map, or set	→
	Medium JS TS 300 completed	
Limit	Implement a function that accepts a callback and restricts its invocation to at most N times	→
	Medium JS TS 531 completed	
Promise Merge	Implement a function to merge the results of two promises into a single value	→
	Medium JS TS 306 completed	
Promise Timeout	Implement a function that resolves a promise if it is fulfilled within a timeout period and rejects otherwise	→
	Medium JS TS 315 completed	
Promise.resolve	Implement a function to resolve a given value to a Promise	→
	Medium JS TS 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 JS TS 286 completed	
Promisify II	Implement a promisify function that allows the original function to override the return value	→
	Medium JS TS 107 completed	
Throttle	Implement a function to control the execution of a function by limiting how many times it 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 5 272 completed	
Accordion III	Build a fully accessible accordion component that has keyboard support according to ARIA specifications	→
	Medium React 5 140 completed	
Analog Clock	Build an analog clock where the hands update and move like a real clock	→
	Medium React 5 214 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 falsey 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 TS ⚡ 796 completed

Grid Lights

🔒 Build a grid of lights where the lights deactivate in the reverse order they were activated →
🕒 Medium 🎨 ⚡ 320 completed

HTML Serializer

🔒 Implement a function to serialize an object into an HTML string with indentation →
🕒 Medium HTML JS TS ⚡ 196 completed

Identical DOM Trees

🔒 Implement a function to determine if two DOM trees are the same →
🕒 Medium HTML JS TS ⚡ 418 completed

jQuery Class Manipulation

🔒 Implement a set of jQuery-like functions that manipulates classes on a DOM element →
🕒 Medium HTML CSS JS TS ⚡ 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 →
🕒 Medium 🎨 S A S ⚡ 386 completed

List Format

🔒 Implement a function that formats a list of items into a single readable string →
🕒 Medium JS TS ⚡ 731 completed

Map Async

🔒 Implement a function that maps an array of items with an asynchronous mapping function →
🕒 Medium JS TS ⚡ 76 completed

Memoize

🔒 Implement a function that returns a memoized version of a function which accepts a single argument →
🕒 Medium JS TS ⚡ 139 completed

Progress Bars II	Build a list of progress bars that fill up gradually in sequence, one at a time	→
	Medium 202 completed	
Promise.allSettled	Implement the Promise.allSettled() function that resolves to an array of outcomes when all the input elements are either resolved or rejected	→
	Medium 490 completed	
Promise.any	Implement the Promise.any() function that resolves when any of the input elements are resolved	→
	Medium 636 completed	
Resumable Interval	Implement a function that creates a resumable interval object	→
	Medium 88 completed	
Squash Object	Implement a function that returns a new object after squashing the input object into a single level of depth	→
	Medium 329 completed	
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	→
	Medium 836 completed	
Tabs II	Build a semi-accessible tabs component that has the right ARIA roles, states, and properties	→
	Medium 135 completed	
Tabs III	Build a fully accessible tabs component that has keyboard support according to ARIA specifications	→
	Medium 85 completed	
Text Search	Implement a function to highlight text if a searched term appears within it	→
	Medium 416 completed	
Deep Equal	Implement a function that determines if two values are equal	→
	Medium 625 completed	
Deep Map	Implement a function to recursively transform values	→
	Medium 68 completed	
getElementsByClassName	Implement a function to get all DOM elements that contain the specified classes	→
	Medium 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 33 completed	
Progress Bars III	Build a list of progress bars that fill up gradually concurrently, up to a limit of 3	→
	Medium 130 completed	
Text Search II	Implement a function to highlight text if searched terms appear within it	→
	Medium 125 completed	
Tic-tac-toe	Build a tic-tac-toe game that is playable by two players	→
	Medium 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 S 300 completed	
Stopwatch	Build a stopwatch widget that can measure how much time has passed	→
	Medium S A S 162 completed	
Transfer List	Build a component that allows transferring of items between two lists	→
	Medium S A S 169 completed	
Undoable Counter	Build a counter with a history of the values and ability to undo/redo actions	→
	Medium S 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 S A S 64 completed	
Memory Game	Build a memory game where the player needs to match pairs of cards	→
	Medium S 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	→
	Hard S 70 completed	
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 10 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 S 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 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 A 31 completed	→



English (US) ▾

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