

# JAVASCRIPT INTERVIEW QUESTIONS

| No. | Questions   |
|-----|---|
| 1   | What are the possible ways to create objects in JavaScript      |
| 2   | What is a prototype chain                                       |
| 3   | What is the difference between Call, Apply and Bind             |
| 4   | What is JSON and its common operations                          |
| 5   | What is the purpose of the array slice method                   |
| 6   | What is the purpose of the array splice method                  |
| 7   | What is the difference between slice and splice                 |
| 8   | How do you compare an Object with a Map                         |
| 9   | What is the difference between == and === operators             |
| 10  | What are lambda or arrow functions                              |
| 11  | What is a first class function                                  |
| 12  | What is a first order function                                  |
| 13  | What is a higher order function                                 |
| 14  | What is a unary function  |
| 15  | What is the currying function                                   |
| 16  | What is a pure function   |
| 17  | What is the purpose of the let keyword                          |
| 18  | What is the difference between let and var                      |
| 19  | What is the reason to choose the name let as a keyword          |
| 20  | How do you redeclare variables in switch block without an error |
| 21  | What is the Temporal Dead Zone                                  |
| 22  | What is IIFE(Immediately Invoked Function Expression)           |
| 23  | How do you decode or encode a URL in JavaScript?                |

| No. | Questions  |
|-----|--|
| 24  | What is memoization  |
| 25  | What is Hoisting   |
| 26  | What are classes in ES6  |
| 27  | What are closures  |
| 28  | What are modules   |
| 29  | Why do you need modules  |
| 30  | What is scope in javascript  |
| 31  | What is a service worker   |
| 32  | How do you manipulate DOM using a service worker                           |
| 33  | How do you reuse information across service worker restarts                |
| 34  | What is IndexedDB  |
| 35  | What is web storage  |
| 36  | What is a post message   |
| 37  | What is a cookie   |
| 38  | Why do you need a Cookie   |
| 39  | What are the options in a cookie   |
| 40  | How do you delete a cookie   |
| 41  | What are the differences between cookie, local storage and session storage |
| 42  | What is the main difference between localStorage and sessionStorage        |
| 43  | How do you access web storage  |
| 44  | What are the methods available on session storage                          |
| 45  | What is a storage event and its event handler                              |
| 46  | Why do you need web storage  |
| 47  | How do you check web storage browser support                               |
| 48  | How do you check web workers browser support                               |

| No. | Questions   |
|-----|---|
| 49  | Give an example of a web worker                         |
| 50  | What are the restrictions of web workers on DOM         |
| 51  | What is a promise                                       |
| 52  | Why do you need a promise                               |
| 53  | What are the three states of promise                    |
| 54  | What is a callback function                             |
| 55  | Why do we need callbacks                                |
| 56  | What is a callback hell                                 |
| 57  | What are server-sent events                             |
| 58  | How do you receive server-sent event notifications      |
| 59  | How do you check browser support for server-sent events |
| 60  | What are the events available for server sent events    |
| 61  | What are the main rules of promise                      |
| 62  | What is callback in callback                            |
| 63  | What is promise chaining                                |
| 64  | What is promise.all                                     |
| 65  | What is the purpose of the race method in promise       |
| 66  | What is a strict mode in javascript                     |
| 67  | Why do you need strict mode                             |
| 68  | How do you declare strict mode                          |
| 69  | What is the purpose of double exclamation               |
| 70  | What is the purpose of the delete operator              |
| 71  | What is typeof operator                                 |
| 72  | What is undefined property                              |
| 73  | What is null value                                      |
| 74  | What is the difference between null and undefined       |

| No. | Questions  |
|-----|--|
| 75  | What is eval   |
| 76  | What is the difference between window and document                       |
| 77  | How do you access history in javascript                                  |
| 78  | How do you detect caps lock key turned on or not                         |
| 79  | What is isNaN  |
| 80  | What are the differences between undeclared and undefined variables      |
| 81  | What are global variables  |
| 82  | What are the problems with global variables                              |
| 83  | What is NaN property   |
| 84  | What is the purpose of isFinite function                                 |
| 85  | What is an event flow  |
| 86  | What is event bubbling   |
| 87  | What is event capturing  |
| 88  | How do you submit a form using JavaScript                                |
| 89  | How do you find operating system details                                 |
| 90  | What is the difference between document load and DOMContentLoaded events |
| 91  | What is the difference between native, host and user objects             |
| 92  | What are the tools or techniques used for debugging JavaScript code      |
| 93  | What are the pros and cons of promises over callbacks                    |
| 94  | What is the difference between an attribute and a property               |
| 95  | What is same-origin policy   |
| 96  | What is the purpose of void 0  |
| 97  | Is JavaScript a compiled or interpreted language                         |
| 98  | Is JavaScript a case-sensitive language                                  |
| 99  | Is there any relation between Java and JavaScript                        |

| No. | Questions  |
|-----|--|
| 100 | What are events  |
| 101 | Who created javascript                                 |
| 102 | What is the use of preventDefault method               |
| 103 | What is the use of stopPropagation method              |
| 104 | What are the steps involved in return false usage      |
| 105 | What is BOM  |
| 106 | What is the use of setTimeout                          |
| 107 | What is the use of setInterval                         |
| 108 | Why is JavaScript treated as Single threaded           |
| 109 | What is an event delegation                            |
| 110 | What is ECMAScript                                     |
| 111 | What is JSON   |
| 112 | What are the syntax rules of JSON                      |
| 113 | What is the purpose JSON stringify                     |
| 114 | How do you parse JSON string                           |
| 115 | Why do you need JSON                                   |
| 116 | What are PWAs  |
| 117 | What is the purpose of clearTimeout method             |
| 118 | What is the purpose of clearInterval method            |
| 119 | How do you redirect new page in javascript             |
| 120 | How do you check whether a string contains a substring |
| 121 | How do you validate an email in javascript             |
| 122 | How do you get the current url with javascript         |
| 123 | What are the various url properties of location object |
| 124 | How do get query string values in javascript           |
| 125 | How do you check if a key exists in an object          |

| No. | Questions  |
|-----|--|
| 126 | How do you loop through or enumerate javascript object                     |
| 127 | How do you test for an empty object  |
| 128 | What is an arguments object  |
| 129 | How do you convert the first letter of a string to uppercase               |
| 130 | What are the pros and cons of for loop                                     |
| 131 | How do you display the current date in javascript                          |
| 132 | How do you compare two date objects  |
| 133 | How do you check if a string starts with another string                    |
| 134 | How do you trim a string in javascript                                     |
| 135 | How do you add a key value pair in javascript                              |
| 136 | Is the '!--' notation represents a special operator                        |
| 137 | How do you assign default values to variables                              |
| 138 | How do you define multiline strings  |
| 139 | What is an app shell model   |
| 140 | Can we define properties for functions                                     |
| 141 | What is the way to find the number of parameters expected by a function    |
| 142 | What is a polyfill   |
| 143 | What are break and continue statements                                     |
| 144 | What are js labels   |
| 145 | What are the benefits of keeping declarations at the top                   |
| 146 | What are the benefits of initializing variables                            |
| 147 | What are the recommendations to create new object                          |
| 148 | How do you define JSON arrays  |
| 149 | How do you generate random integers  |
| 150 | Can you write a random integers function to print integers with in a range |
| 151 | What is tree shaking   |

| No. | Questions   |
|-----|---|
| 152 | What is the need of tree shaking                            |
| 153 | Is it recommended to use eval                               |
| 154 | What is a Regular Expression                                |
| 155 | What are the string methods available in Regular expression |
| 156 | What are modifiers in regular expression                    |
| 157 | What are regular expression patterns                        |
| 158 | What is a RegExp object                                     |
| 159 | How do you search a string for a pattern                    |
| 160 | What is the purpose of exec method                          |
| 161 | How do you change the style of a HTML element               |
| 162 | What would be the result of 1+2+'3'                         |
| 163 | What is a debugger statement                                |
| 164 | What is the purpose of breakpoints in debugging             |
| 165 | Can I use reserved words as identifiers                     |
| 166 | How do you detect a mobile browser                          |
| 167 | How do you detect a mobile browser without regexp           |
| 168 | How do you get the image width and height using JS          |
| 169 | How do you make synchronous HTTP request                    |
| 170 | How do you make asynchronous HTTP request                   |
| 171 | How do you convert date to another timezone in javascript   |
| 172 | What are the properties used to get size of window          |
| 173 | What is a conditional operator in javascript                |
| 174 | Can you apply chaining on conditional operator              |
| 175 | What are the ways to execute javascript after page load     |
| 176 | What is the difference between proto and prototype          |
| 177 | Give an example where do you really need semicolon          |

| No. | Questions   |
|-----|---|
| 178 | What is a freeze method   |
| 179 | What is the purpose of freeze method  |
| 180 | Why do I need to use freeze method  |
| 181 | How do you detect a browser language preference                             |
| 182 | How to convert string to title case with javascript                         |
| 183 | How do you detect javascript disabled in the page                           |
| 184 | What are various operators supported by javascript                          |
| 185 | What is a rest parameter  |
| 186 | What happens if you do not use rest parameter as a last argument            |
| 187 | What are the bitwise operators available in javascript                      |
| 188 | What is a spread operator   |
| 189 | How do you determine whether object is frozen or not                        |
| 190 | How do you determine two values same or not using object                    |
| 191 | What is the purpose of using object is method                               |
| 192 | How do you copy properties from one object to other                         |
| 193 | What are the applications of assign method                                  |
| 194 | What is a proxy object  |
| 195 | What is the purpose of seal method  |
| 196 | What are the applications of seal method                                    |
| 197 | What are the differences between freeze and seal methods                    |
| 198 | How do you determine if an object is sealed or not                          |
| 199 | How do you get enumerable key and value pairs                               |
| 200 | What is the main difference between Object.values and Object.entries method |
| 201 | How can you get the list of keys of any object                              |
| 202 | How do you create an object with prototype                                  |



| No. | Questions  |
|-----|--|
| 203 | What is a WeakSet  |
| 204 | What are the differences between a WeakSet and a Set                 |
| 205 | List down the collection of methods available on WeakSet             |
| 206 | What is a WeakMap  |
| 207 | What are the differences between a WeakMap and a Map                 |
| 208 | List down the collection of methods available on WeakMap             |
| 209 | What is the purpose of uneval  |
| 210 | How do you encode an URL   |
| 211 | How do you decode an URL   |
| 212 | How do you print the contents of web page                            |
| 213 | What is the difference between uneval and eval                       |
| 214 | What is an anonymous function  |
| 215 | What is the precedence order between local and global variables      |
| 216 | What are javascript accessors  |
| 217 | How do you define property on Object constructor                     |
| 218 | What is the difference between get and defineProperty                |
| 219 | What are the advantages of Getters and Setters                       |
| 220 | Can I add getters and setters using defineProperty method            |
| 221 | What is the purpose of switch-case                                   |
| 222 | What are the conventions to be followed for the usage of switch case |
| 223 | What are primitive data types  |
| 224 | What are the different ways to access object properties              |
| 225 | What are the function parameter rules                                |
| 226 | What is an error object  |
| 227 | When you get a syntax error  |
| 228 | What are the different error names from error object                 |

| No. | Questions   |
|-----|---|
| 229 | What are the various statements in error handling             |
| 230 | What are the two types of loops in javascript                 |
| 231 | What is nodejs  |
| 232 | What is an Intl object  |
| 233 | How do you perform language specific date and time formatting |
| 234 | What is an Iterator   |
| 235 | How does the synchronous iteration work                       |
| 236 | What is an event loop   |
| 237 | What is call stack  |
| 238 | What is an event queue  |
| 239 | What is a decorator   |
| 240 | What are the properties of Intl object                        |
| 241 | What is an Unary operator                                     |
| 242 | How do you sort elements in an array                          |
| 243 | What is the purpose of compareFunction while sorting arrays   |
| 244 | How do you reversing an array                                 |
| 245 | How do you find min and max value in an array                 |
| 246 | How do you find min and max values without Math functions     |
| 247 | What is an empty statement and purpose of it                  |
| 248 | How do you get metadata of a module                           |
| 249 | What is a comma operator                                      |
| 250 | What is the advantage of a comma operator                     |
| 251 | What is typescript  |
| 252 | What are the differences between javascript and typescript    |
| 253 | What are the advantages of typescript over javascript         |
| 254 | What is an object initializer                                 |

| No. | Questions   |
|-----|---|
| 255 | What is a constructor method                                    |
| 256 | What happens if you write constructor more than once in a class |
| 257 | How do you call the constructor of a parent class               |
| 258 | How do you get the prototype of an object                       |
| 259 | What happens If I pass string type for getPrototype method      |
| 260 | How do you set prototype of one object to another               |
| 261 | How do you check whether an object can be extendable or not     |
| 262 | How do you prevent an object to extend                          |
| 263 | What are the different ways to make an object non-extensible    |
| 264 | How do you define multiple properties on an object              |
| 265 | What is MEAN in javascript                                      |
| 266 | What Is Obfuscation in javascript                               |
| 267 | Why do you need Obfuscation                                     |
| 268 | What is Minification  |
| 269 | What are the advantages of minification                         |
| 270 | What are the differences between Obfuscation and Encryption     |
| 271 | What are the common tools used for minification                 |
| 272 | How do you perform form validation using javascript             |
| 273 | How do you perform form validation without javascript           |
| 274 | What are the DOM methods available for constraint validation    |
| 275 | What are the available constraint validation DOM properties     |
| 276 | What are the list of validity properties                        |
| 277 | Give an example usage of rangeOverflow property                 |
| 278 | Is enums feature available in javascript                        |
| 279 | What is an enum   |
| 280 | How do you list all properties of an object                     |

| No. | Questions  |
|-----|--|
| 281 | How do you get property descriptors of an object                     |
| 282 | What are the attributes provided by a property descriptor            |
| 283 | How do you extend classes  |
| 284 | How do I modify the url without reloading the page                   |
| 285 | How do you check whether an array includes a particular value or not |
| 286 | How do you compare scalar arrays                                     |
| 287 | How to get the value from get parameters                             |
| 288 | How do you print numbers with commas as thousand separators          |
| 289 | What is the difference between java and javascript                   |
| 290 | Does javascript supports namespace                                   |
| 291 | How do you declare namespace   |
| 292 | How do you invoke javascript code in an iframe from parent page      |
| 293 | How do get the timezone offset from date                             |
| 294 | How do you load CSS and JS files dynamically                         |
| 295 | What are the different methods to find HTML elements in DOM          |
| 296 | What is jQuery   |
| 297 | What is V8 JavaScript engine   |
| 298 | Why do we call javascript as dynamic language                        |
| 299 | What is a void operator  |
| 300 | How to set the cursor to wait  |
| 301 | How do you create an infinite loop                                   |
| 302 | Why do you need to avoid with statement                              |
| 303 | What is the output of below for loops                                |
| 304 | List down some of the features of ES6                                |
| 305 | What is ES6  |
| 306 | Can I redeclare let and const variables                              |

| No. | Questions  |
|-----|--|
| 307 | Is const variable makes the value immutable                      |
| 308 | What are default parameters                                      |
| 309 | What are template literals                                       |
| 310 | How do you write multi-line strings in template literals         |
| 311 | What are nesting templates                                       |
| 312 | What are tagged templates  |
| 313 | What are raw strings   |
| 314 | What is destructuring assignment                                 |
| 315 | What are default values in destructuring assignment              |
| 316 | How do you swap variables in destructuring assignment            |
| 317 | What are enhanced object literals                                |
| 318 | What are dynamic imports   |
| 319 | What are the use cases for dynamic imports                       |
| 320 | What are typed arrays  |
| 321 | What are the advantages of module loaders                        |
| 322 | What is collation  |
| 323 | What is for...of statement                                       |
| 324 | What is the output of below spread operator array                |
| 325 | Is PostMessage secure  |
| 326 | What are the problems with postmessage target origin as wildcard |
| 327 | How do you avoid receiving postMessages from attackers           |
| 328 | Can I avoid using postMessages completely                        |
| 329 | Is postMessages synchronous                                      |
| 330 | What paradigm is Javascript                                      |
| 331 | What is the difference between internal and external javascript  |
| 332 | Is JavaScript faster than server side script                     |

| No. | Questions   |
|-----|---|
| 333 | How do you get the status of a checkbox                                     |
| 334 | What is the purpose of double tilde operator                                |
| 335 | How do you convert character to ASCII code                                  |
| 336 | What is ArrayBuffer   |
| 337 | What is the output of below string expression                               |
| 338 | What is the purpose of Error object   |
| 339 | What is the purpose of EvalError object                                     |
| 340 | What are the list of cases error thrown from non-strict mode to strict mode |
| 341 | Do all objects have prototypes  |
| 342 | What is the difference between a parameter and an argument                  |
| 343 | What is the purpose of some method in arrays                                |
| 344 | How do you combine two or more arrays                                       |
| 345 | What is the difference between Shallow and Deep copy                        |
| 346 | How do you create specific number of copies of a string                     |
| 347 | How do you return all matching strings against a regular expression         |
| 348 | How do you trim a string at the beginning or ending                         |
| 349 | What is the output of below console statement with unary operator           |
| 350 | Does javascript uses mixins   |
| 351 | What is a thunk function  |
| 352 | What are asynchronous thunks  |
| 353 | What is the output of below function calls                                  |
| 354 | How to remove all line breaks from a string                                 |
| 355 | What is the difference between reflow and repaint                           |
| 356 | What happens with negating an array   |
| 357 | What happens if we add two arrays   |

| No. | Questions  |
|-----|--|
| 358 | What is the output of prepend additive operator on falsy values  |
| 359 | How do you create self string using special characters           |
| 360 | How do you remove falsy values from an array                     |
| 361 | How do you get unique values of an array                         |
| 362 | What is destructuring aliases                                    |
| 363 | How do you map the array values without using map method         |
| 364 | How do you empty an array  |
| 365 | How do you round numbers to certain decimals                     |
| 366 | What is the easiest way to convert an array to an object         |
| 367 | How do you create an array with some data                        |
| 368 | What are the placeholders from console object                    |
| 369 | Is it possible to add CSS to console messages                    |
| 370 | What is the purpose of dir method of console object              |
| 371 | Is it possible to debug HTML elements in console                 |
| 372 | How do you display data in a tabular format using console object |
| 373 | How do you verify that an argument is a Number or not            |
| 374 | How do you create copy to clipboard button                       |
| 375 | What is the shortcut to get timestamp                            |
| 376 | How do you flattening multi dimensional arrays                   |
| 377 | What is the easiest multi condition checking                     |
| 378 | How do you capture browser back button                           |
| 379 | How do you disable right click in the web page                   |
| 380 | What are wrapper objects   |
| 381 | What is AJAX   |
| 382 | What are the different ways to deal with Asynchronous Code       |
| 383 | How to cancel a fetch request                                    |

| No. | Questions  |
|-----|--|
| 384 | What is web speech API   |
| 385 | What is minimum timeout throttling   |
| 386 | How do you implement zero timeout in modern browsers                         |
| 387 | What are tasks in event loop   |
| 388 | What is microtask  |
| 389 | What are different event loops   |
| 390 | What is the purpose of queueMicrotask  |
| 391 | How do you use javascript libraries in typescript file                       |
| 392 | What are the differences between promises and observables                    |
| 393 | What is heap   |
| 394 | What is an event table   |
| 395 | What is a microTask queue  |
| 396 | What is the difference between shim and polyfill                             |
| 397 | How do you detect primitive or non primitive value type                      |
| 398 | What is babel  |
| 399 | Is Node.js completely single threaded  |
| 400 | What are the common use cases of observables                                 |
| 401 | What is RxJS   |
| 402 | What is the difference between Function constructor and function declaration |
| 403 | What is a Short circuit condition  |
| 404 | What is the easiest way to resize an array                                   |
| 405 | What is an observable  |
| 406 | What is the difference between function and class declarations               |
| 407 | What is an async function  |
| 408 | How do you prevent promises swallowing errors                                |



| No. | Questions   |
|-----|---|
| 409 | What is deno  |
| 410 | How do you make an object iterable in javascript                              |
| 411 | What is a Proper Tail Call  |
| 412 | How do you check an object is a promise or not                                |
| 413 | How to detect if a function is called as constructor                          |
| 414 | What are the differences between arguments object and rest parameter          |
| 415 | What are the differences between spread operator and rest parameter           |
| 416 | What are the different kinds of generators                                    |
| 417 | What are the built-in iterables   |
| 418 | What are the differences between for...of and for...in statements             |
| 419 | How do you define instance and non-instance properties                        |
| 420 | What is the difference between isNaN and Number.isNaN?                        |
| 421 | How to invoke an IIFE without any extra brackets?                             |
| 422 | Is that possible to use expressions in switch cases?                          |
| 423 | What is the easiest way to ignore promise errors?                             |
| 424 | How do style the console output using CSS?                                    |
| 425 | What is nullish coalescing operator (??)?                                     |
| 426 | How do you group and nest console output?                                     |
| 427 | What is the difference between dense and sparse arrays?                       |
| 428 | What are the different ways to create sparse arrays?                          |
| 429 | What is the difference between setTimeout, setImmediate and process.nextTick? |
| 430 | How do you reverse an array without modifying original array?                 |
| 431 | How do you create custom HTML element?  |
| 432 | What is global execution context?   |
| 433 | What is function execution context?   |

| No. | Questions   |
|-----|---|
| 434 | What is debouncing?   |
| 435 | What is throttling?   |
| 436 | What is optional chaining?  |
| 437 | What is an environment record?  |
| 438 | How to verify if a variable is an array?                                  |
| 439 | What is pass by value and pass by reference?                              |
| 440 | What are the differences between primitives and non-primitives?           |
| 441 | What are hidden classes?  |
| 442 | What is inline caching?   |
| 443 | How do you create your own bind method using either call or apply method? |
| 444 | What are the differences between pure and impure functions?               |
| 445 | What is referential transparency?   |
| 446 | What are the possible side-effects in javascript?                         |
| 447 | What are compose and pipe functions?                                      |
| 448 | What is module pattern?   |
| 449 | What is Function Composition?   |
| 450 | How to use await outside of async function prior to ES2022?               |