**JAVASCRIPT INTERVIEW QUESTIONS AND ANSWERS**

**SET-1**

1. What is JavaScript?

2. Enumerate the differences between Java and JavaScript?

3. What are JavaScript Data Types?

4. What is the use of isNaN function?

5. Between JavaScript and an ASP script, which is faster?

6. What is negative infinity?

7. Is it possible to break JavaScript Code into several lines?

8. Which company developed JavaScript?

9. What are undeclared and undefined variables?

10. Write the code for adding new elements dynamically?

11. What are global variables? How are these variable declared and what are the problems associated with using them?

12. What is a prompt box?

13. What is 'this' keyword in JavaScript?

14. Explain the working of timers in JavaScript? Also elucidate the drawbacks of using the timer, if any?

15. Which symbol is used for comments in Javascript?

16. What is the difference between ViewState and SessionState?

17. What is === operator?

18. Explain how can you submit a form using JavaScript?

19. Does JavaScript support automatic type conversion?

20. How can the style/class of an element be changed?

21. Explain how to read and write a file using JavaScript?

22. What are all the looping structures in JavaScript?

23. What is called Variable typing in Javascript?

24. How can you convert the string of any base to integer in JavaScript?

25. Explain the difference between "==" and "==="?

26. What would be the result of 3+2+"7"?

27. Explain how to detect the operating system on the client machine? / How to find operating system in the client machine using JavaScript?

28. What do mean by NULL in Javascript?

29. What is the function of delete operator?

30. What is an undefined value in JavaScript?

31. What are all the types of Pop up boxes available in JavaScript?

32. What is the use of Void(0)?

33. How can a page be forced to load another page in JavaScript?

34. What is the data type of variables of in JavaScript?

35. What is the difference between an alert box and a confirmation box?

36. What are escape characters?

37. What are JavaScript Cookies?

38. Explain what is pop()method in JavaScript?

39. Whether JavaScript has concept level scope?

40. Mention what is the disadvantage of using innerHTML in JavaScript?

41. What is break and continue statements?

42. What are the two basic groups of dataypes in JavaScript?

43. How generic objects can be created?

44. What is the use of type of operator?

45. Which keywords are used to handle exceptions?

46. Which keyword is used to print the text in the screen?

47. What is the use of blur function?

48. What is variable typing?

49.

50. What are the different types of errors in JavaScript?

51. What is the use of Push method in JavaScript?

52. What is unshift method in JavaScript?

53. What is the difference between JavaScript and Jscript?

54. How are object properties assigned?

55. What is the 'Strict' mode in JavaScript and how can it be enabled?

56. What is the way to get the status of a CheckBox?

57. How can the OS of the client machine be detected?

58. Explain window.onload and onDocumentReady?

59. How will you explain closures in JavaScript? When are they used?

60. How can a value be appended to an array?

A value can be appended to an array in the given manner -

arr[arr.length] = value;

61. Explain the for-in loop?

62. Describe the properties of an anonymous function in JavaScript?

63. What is the difference between .call() and .apply()?

64. Define event bubbling?

65. Is JavaScript case sensitive? Give an example?

66. What boolean operators can be used in JavaScript?

67. How can a particular frame be targeted, from a hyperlink, in JavaScript?

68. What is the role of break and continue statements?

69. Write the point of difference between web-garden and a web-farm?

70. How are object properties assigned?

71. What is the method for reading and writing a file in JavaScript?

72. How are DOM utilized in JavaScript?

73. How are event handlers utilized in JavaScript?

74. Explain the role of deferred scripts in JavaScript?

75. What are the various functional components in JavaScript?

76. Write about the errors shown in JavaScript?

77. What are Screen objects?

78. Explain the unshift() method ?

79. Define unescape() and escape() functions?

80. What are the decodeURI() and encodeURI()?

81. Why it is not advised to use innerHTML in JavaScript?

82. What does the following statement declares?

83. How are JavaScript and ECMA Script related?

84. What is namespacing in JavaScript and how is it used?

85. How can JavaScript codes be hidden from old browsers that don't support JavaScript?

86. What is an ECMAScript?

87. Are Attributes and Property the same?

88. List out the different ways an HTML element can be accessed in a Javascript code.

89. In how many ways a Javascript code can be involved in an HTML file.

90. What are the new ways to de\_ne a variable in Javascript?

91. What is a Typed Language?

92. What does a typeof operator do?

93. Name some of the ways in which Type Conversion is possible.

94. What is the difference between Local Storage and Session Storage?

95. What is the difference between the keywords var and let?

96. What is the difference between null and undefined?

97. Are Javascript and JScript the same?

98. Are Typescript and Javascript the same?

99. Name some of the Javascript frameworks.

100. What are anonymous functions in Javascript?

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**SET-2**

1. What is === operator?

2. List out the different ways an HTML element can be accessed in a Javascript code.

3. What does a typeof operator do?

4. What is the difference between Local Storage and Session Storage?

5. What is the difference between null and undefined ?

6. What are anonymous functions in Javascript?

7. What is a function callback?

8. What is the difference between innerHTML and innerText ?

9. What is the difference between HTMLCollection and NodeList ?

10. What is NaN in Javascript?

11. Which Test-Libraries do you use?

12. What means use strict ?

13. What is bind() and when we use it?

14. Explain higher order function?

15. Explain map , filter , reduce and when to use it?

16. When to use event delegation?

17. What is the difference between ViewState and SessionState?

18. Does JavaScript support automatic type conversion?

19. What are IIFE in javascript?

20. What are the possible ways to create objects in JavaScript?

21. What is prototype chain?

22. What is the difference between Call, Apply and Bind?

23. What is JSON and its common operations

24. What is the purpose of array slice method?

25. What is the purpose of array splice method?

26. What is the difference between slice and splice?

27. How do you compare Object and Map?

28. What is the difference between == and === operators?

29. What are lambda or arrow functions?

30. What is a first class function?

31. What is a first order function?

32. What is a higher order function?

33. What is a unary function?

34. What is currying function?

35. What is a pure function?

36. What is the purpose of let keyword?

37. What is the difference between let and var?

38. What is the reason to choose the name let as keyword?

39. How do you redeclare variables in switch block without an error?

40. What is Temporal Dead Zone?

41. What is IIFE(Immediately Invoked Function Expression)?

42. What is the benefit of using modules?

43. What is memoization?

44. What is the difference between an Anonymous Function and a named function?

45. What are self Executing Functions?

46. What is a function callback?

47. What happens when the recursion calling is applied on two functions?

48. Explain the term closure.

49. Explain the terms synchronous and asynchronous code.

50. Name the different types of pop up boxes in Javascript.

51. What is the use of the ‘this’ keyword?

52. Is Exception handling possible in Javascript?

53. How is it possible to get the total number of arguments that are passed to afunction?

54. What is the difference between typeof and instanceof operators in Javascript?

55. What is DOM?

56. Expand BOM and explain it.

57. What is the difference between window and document in Javascript?

58. What is the difference between innerHTML and innerText?

59. What is the difference between textContent and innerText?

60. What is the difference between HTMLCollection and NodeList?

61. How can an HTMLCollection be traversed?

62. What is the difference between childNode and children?

63. What is the difference between \_rstChild and \_rstElementChild?

64. Name the two functions that are used to create an HTML element dynamically.

65. What is the difference between remove() and removeChild()?

66. List out the Mouse Events.

67. What is the use of history object?

68. What is an Event Bubbling in Javascript?

69. What does window.print() do in Javascript?

70. How can a Javascript code redirect the user to a di􀃠erent page?

71. What are Cookies in Javascript?

72. How do Javascript primitive/object types passed in functions?

73. What is NaN in Javascript?

74. List out all the falsifying tokens in Javascript.

75. What is Currying in Javascript?

76. When do we use JSON.stringify()?

77. What does unshift() function do in Javascript?

78. What is the difference between Java & JavaScript?

79. What are the data types supported by JavaScript?

80. What are the features of JavaScript?

81. Is JavaScript a case-sensitive language?

82. What are the advantages of JavaScript?

83. How can you create an object in JavaScript?

84. How can you create an Array in JavaScript?

85. What is a name function in JavaScript & how to define it?

86. Can you assign an anonymous function to a variable and pass it as an argument to another function?

87. What is argument objects in JavaScript & how to get the type of arguments passed to a function?

88. What are the scopes of a variable in JavaScript?

89. What is the purpose of ‘This’ operator in JavaScript?

90. What is Callback?

91. What is Closure? Give an example

92. Name some of the built-in methods and the values returned by them.

93. What are the variable naming conventions in JavaScript?

94. How does TypeOf Operator work?

95. How to create a cookie using JavaScript?

96. How to read a cookie using JavaScript?

97. How to delete a cookie using JavaScript?

98. What is the difference between Attributes and Property?

99. List out the different ways an HTML element can be accessed in a JavaScript code.

100. In how many ways a JavaScript code can be involved in an HTML file?

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**SET-3**

1. What are the ways to define a variable in JavaScript?

2. What is the difference between null & undefined?

3. What is the difference between undeclared & undefined?

4. Name some of the JavaScript Frameworks

5. What is the difference between window & document in JavaScript?

6. What is the difference between innerHTML & innerText?

7. What is NaN in JavaScript?

8. How do JavaScript primitive/object types passed in functions?

9. How can you convert the string of any base to integer in JavaScript?

10. What would be the result of 2+5+”3″?

11. What are Exports & Imports?

12. What is the ‘Strict’ mode in JavaScript and how can it be enabled?

13. What is a prompt box in JavaScript?

14. What is the difference between Call & Apply?

15. How to empty an Array in JavaScript?

16. What is the reason for wrapping the entire content of a JavaScript source file in a function book?

17. What are escape characters in JavaScript?

18. Javascript Vs AngularJS

19. What are the differences between JavaScript and Java?

20. Name the different types of JavaScript data?

21. What is the definition of global variables? In what way, these variables are declared?

22. Name the problems that are associated with the use of global variables?

23. What is the definition of prompt box?

24. What are the disadvantages of using inner HTML in JavaScript?

25. Name the different type of groups of data types that are used in JavaScript and define them?

26. Mention the advantages of using JavaScript programming language?

27. Mention of disadvantages of using JavaScript programming language?

28. JavaScript is a case sensitive language - Explain?

29. Mention the different types of functions are supported by JavaScript? Define each of them?

30. What are the different scopes of a variable? Define local variable?

31. What is the meaning of the word 'callback'?

32. Mention the different types of rules which are used to name the various conventions in JavaScript?

33. Define the mechanism of the typeof operator?

34. How to create a class?

35. How to create an object?

36.How to open URL in new tab in javascript?

37. Can Cookie be accessed with the help of JavaScript?

38. What are the meanings of undefined variables and undeclared variables?

39. Define the various types of errors which occur in JavaScript programming language?

40. Define the types of functional components which is available in JavaScript programming language?

41. How to declare a private and a public member?

42. What is prototype property?

43. How to convert a string to lowercase?

44. Define Screen Objects. What is its proper?

45. How can one handle exceptions in JavaScript?

46. List the purpose of onError event handler?

47. Differentiate between Jscript and JavaScript?

48. What is constructor property?

49.What Is Scope In JavaScript?

50. How to call other class methods?

51. How does one read a cookie in JavaScript?

52. In what ways are Cookies deleted by using JavaScript?

53. How many types of objects are there in JavaScript? Define them?

54. Explain method overriding with an Example?

55. What is the meaning of continuing and break statements?

56. Mention the process by which an Object can be created in JavaScript?

57. Define a name function. What is its meaning?

58. What is the different type of features of JavaScript?

59. How to inherit form a class?

60. What is Object.create () method do?

61. Write a polyfill for Object.create() method if it is not present in the browser?

62. How are JavaScript and ECMA Script related?

63. What is the purpose of Object.defineProperties () method?

64. Is there any difference between window and document?

65. Does document.onload and window.onload fire at the same time?

66. Is attribute similar to property?

67. What are the different ways to get an element from DOM?

68. What is the fastest way to select elements by using css selectors?

69. How come, I can't use forEach or similar array methods on a NodeList?

70. If you need to implement getElementByAttribute, how would you implement it?

71. How would you add a class to an element by query selector?

72. How could I verify whether one element is child of another?

73. What is the best way to create a DOM element? Set innherHTML or use createElement?

74. What is createDocumentFragment and why you might use it?

75. What is reflow? What causes reflow? How could you reduce reflow?

76. What is repaint and when does this happen?

77. How could you make sure to run some JavaScript when DOM is ready like $(document).ready ?

78. What is event bubble? How does event flows in DOM?

79. How would you destroy multiple list items with one click handler?

80. Create a button that is destroyed by clicking in it but two new buttons are created in it's place.

81. How could you capture all clicks in a page?

82. How can you get all the texts in a web page?

83. What is defer and async keyword does in a script tag?

84. What are the differences between null and undefined ?

85. How would you compare two objects in JavaScript?

86. 11+ true false related questions that will trick you.

87. As [] is true, []==true should also be true. right?

88. How could you write a method on instance of a date which will give you next day?

If i have a var str = 'hello world' , how could i get str.reverse() return 'dlrow olleh'?

How could you make this work [1,2,3,4,5].duplicator(); // [1,2,3,4,5,1,2,3,4,5] ?

89. If you want to use an arbitrary object as value of this, how will you do that?

If an older browser dont have bind function, how will you shim it

90. Write a simple function to tell whether 2 is passed as parameter or not?

91. How could you use Math.max to find the max value in an array?

92. What the heck is this in JavaScript?

93. 21+ small but tricky questions

94. How could you set a prefix before everything you log? for example, if you log('my message') it will log: "

(app) my message"

95. What will you see in the console for the following example?

96. Look at the code below, you have a for loop if you have setTimeout inside it. If log the loop counter inside setTimeout, what will be logged?

97. Look at the code below, I have a property in a object and I am creating a new object where I am setting it to

a new value. If I delete that property what will i get if I try to access that property?

98. Does JavaScript pass parameter by value or by reference?

99. How could you implement cache to save calculation time for a recursive fibonacci function?

100. How could you cache execution of any function?

101. If you need to implement the following chaining with call back, how will you implement it?

102. How could you implement moveLeft animation?

103. How would you implement currying for any functions?

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**SET-4**

1. Name some of the JavaScript features.

2. What are the advantages of using JavaScript?

3. What are disadvantages of using JavaScript?

4. Is JavaScript a case-sensitive language?

5. How can you create an Object in JavaScript?

6. How can you read properties of an Object in JavaScript?

7. How can you create an Array in JavaScript?

8. How to read elements of an array in JavaScript?

9. What is a named function in JavaScript? How to define a named function?

10. How many types of functions JavaScript supports?

11. How to define a anonymous function?

12. Can you assign a anonymous function to a variable?

13. Can you pass a anonymous function as an argument to another function?

14. What is arguments object in JavaScript?

15. How can you get the type of arguments passed to a function?

16. How can you get the total number of arguments passed to a function?

17. How can you get the reference of a caller function inside a function?

18. What is the purpose of 'this' operator in JavaScript?

19. What are the valid scopes of a variable in JavaScript?

20. Which type of variable among global and local, takes precedence over other if

names are same?

21. What is callback?

22. What is closure?

23. Give an example of closure?

24. Which built-in method returns the character at the specified index?

25. Which built-in method combines the text of two strings and returns a new string?

26. Which built-in method calls a function for each element in the array?

27. Which built-in method returns the index within the calling String object of the first

occurrence of the specified value?

28. Which built-in method returns the length of the string?

29. Which built-in method removes the last element from an array and returns that element?

30. Which built-in method adds one or more elements to the end of an array and

returns the new length of the array?

31. Which built-in method reverses the order of the elements of an array?

32. Which built-in method sorts the elements of an array?

33. Which built-in method returns the characters in a string beginning at the specified location?

34. Which built-in method returns the calling string value converted to lower case?

35. Which built-in method returns the calling string value converted to upper case?

36. Which built-in method returns the string representation of the number's value?

37. What are the variable naming conventions in JavaScript?

38. How typeof operator works?

39. What typeof returns for a null value?

40. Can you access Cookie using javascript?

41. How to create a Cookie using JavaScript?

42. How to read a Cookie using JavaScript?

43. How to delete a Cookie using JavaScript?

44. How to redirect a url using JavaScript?

45. How to print a web page using javascript?

46. What is Date object in JavaScript?

47. What is Number object in JavaScript?

48. How to handle exceptions in JavaScript?

49. What is purpose of onError event handler in JavaScript?

50. Name the types of functions

51. Define anonymous function

52. Can an anonymous function be assigned to a variable?

53. In JavaScript what is an argument object?

54. If we want to return the character from a specific index which

method is used?

55. What is the difference between JavaScript and JScript?

56. How to write a hello world example of JavaScript?

57. How to use external JavaScript file?

58. Is JavaScript case sensitive language?

59. What is BOM?

60. What is DOM? What is the use of document object?

61. What is the use of window object?

62. What is the use of history object?

63. How to write a comment in JavaScript?

64. How to create a function in JavaScript?

65. What are the JavaScript data types?

66. How to write HTML code dynamically using JavaScript?

67. How to write normal text code using JavaScript dynamically?

68. How to create objects in JavaScript?

69. How to create an array in JavaScript?

70. What does the isNaN() function?

71. What is the output of 10+20+"30" in JavaScript?

72. What is the output of "10"+20+30 in JavaScript?

73. Difference between Client side JavaScript and Server sideJavaScript?

74. In which location cookies are stored on the hard disk?

75. What is the real name of JavaScript?

76. What is the difference between undefined value and null value?

77. How to set the cursor to wait in JavaScript?

78. What is this [[[]]]?

79. Are Java and JavaScript same?

80. What is negative infinity?

81. What is the difference between View state and Session state?

82. What are the pop-up boxes available in JavaScript?

83. How can we detect OS of the client machine using JavaScript?

84. How to submit a form using JavaScript by clicking a link?

85. Is JavaScript faster than ASP script?

86. How to change the background color of HTML document using JavaScript?

87. How to handle exceptions in JavaScript?

88. How to validate a form in JavaScript?

89. How to validate email in JavaScript?

90. What is this keyword in JavaScript?

91. What is the requirement of debugging in JavaScript?

92. What is the use of debugger keyword in JavaScript?

93. What is the role of a strict mode in JavaScript?

94. What is the use of Math object in JavaScript?

95. What is the use of a Date object in JavaScript?

96. What is the use of a Number object in JavaScript?

97. What is the use of a Boolean object in JavaScript?

98. What is the use of a TypedArray object in JavaScript?

99. What is the use of a Set object in JavaScript?

100. What is the use of a WeakSet object in JavaScript?

101. What is the use of a Map object in JavaScript?

102. What is the use of a WeakMap object in JavaScript?

103. Why is javascript called Richer Interface?

104. Is javascript case-sensitive?

105. How can we create an object in JS?

106. How can we read the properties of an object in js?

107. How to create an array in js and how to read array elements?

108. How many types of functions JS support?

109. How to define an anonymous function?

110. Which built-in method calls a function for each element in the array?

111. Which type of variable among global and local, takes precedence over other if names are same?

112. Difference between “var” and “let” Keywords?

113. Difference between “undefined and “NULL” Keywords?

114. What is prototypal Inheritance?

115. Which built-in method sorts the elements of an array?

116. Which built-in method reverses the order of the elements of an array?

117. What is SetTimeout()?

118. How to add one new element at end of an array in javascript?

119. What is closure and how do you use it?

120. How can you move element in lowercase to uppercase from an array?

121. Explain the difference between JavaScript and an ASP script.

122. What are the different actions that are performed using JavaScript?

123. How can JavaScript language be separated from objects?

124. What is the use of DOM?

125. What is the importance of <SCRIPT> tag?

126. Why JavaScript is called as Script for all browsers?

127. What are the requirements of Web application using JavaScript?

128. What are the different objects used in JavaScripts?

129. Why is object naming important to use in JavaScript?

130. What are the methods involved in JavaScript?

131. Explain with an example the use of event handlers in JavaScript.

132. How are tag positions used in JavaScript?

133. What are the main functions performed by JavaScript Statements?

134. Explain the process of document loading.

135. What is the function of Deferred scripts?

136. Write a program to exaplain the deferred scripts using event handlers in JavaScript.

137. What is the difference between Scripting and Programming?

138. What does dynamic component in JavaScript contain?

139. What are the different functional component in JavaScript?

140. What is the difference between script type and the script language attributes?

141. What are the different types of errors supported by JavaScript?

142. What are Math Constants and Functions using JavaScript?

143. What is Pop() method in JavaScript?

144. What is difference between undefined variable and undeclared variable?

145. How to create an array in JavaScript?

146. What is encodeURI() function?

147. Can you explain about Screen object?

148. What is unshift() method in Javascript?

149. What is unescape() function?

150. How to get height and width of different browser in Javascript?

151. What is Push() method in JavaScript?

152. Explain JavaScript closures by example.

153. How to create an array in Javascript?

154. What is decodeURI() function?

155. What is the difference between window.onload and onDocumentReady?

156. How to manage exception handling in Javascript?

157. How to change style on an element?

158. What is escape() function?

159. JavaScript vs. Jscript

160. Difference between Client side JavaScript and Server side JavaScript

161. Where are cookies actually stored on the hard disk?

162. Are there any predefined constant provided by the browser with the key code values that can be reused?

163. How can I set up my own JavaScript error handler?

164. How do I use JavaScript to password-protect my Web site?

165. How can I prevent others from reading/stealing my scripts or images?

166. How do I write script-generated content to another window?

167. How can I request data from the server without reloading the page in the browser?

168. How do I add a JavaScript event handler to an HTML page element?

169. How do I retrieve a cookie with a given name using a regular expression?

170. What value does prompt() return if the user clicked the Cancel

171.Why does the browser display the slow script warning?

What are the advantages of using External JavaScript?

Q #5) What is the difference between test () and exec () methods?

Q #8) Have you used any browser for debugging? If yes, how is it done?

Q #9) What is the use of ‘debugger’ keyword in JavaScript code?

Q #10) What are the distinct types of Error Name Values?

Q #11) What is JavaScript Hoisting?

Q #12) What is JavaScript ‘Strict Mode’?

Q #13) What are the characteristics of JavaScript ‘Strict Mode’?

Q #14) What are Self Invoking Functions?

Q #15) What is the syntax of ‘Self Invoking Function’? Give an example?

Q #17) If you need to hide the JavaScript code from the older browser versions, how will you

perform it?

Q #19) What is the difference between ‘var’ and ‘let’ keyword?

Q #22) What is the difference between ‘let’ and ‘const’?

Q #25) What is the difference between ‘function declaration’ and ‘function expression’?

Q #26) What are ‘set\_Timeout()’?

Q #29) Can you give an example where the code snippet shows the difference between test () and

exec () methods?

Q #30) Can you give an example showing JavaScript Hoisting?

Q #31) Can you give an example showing the use of ‘debugger’ keyword in the JavaScript code?

Explain the difference between classical inheritance and prototypal inheritance

Give an example of a time that you used functional programming in JavaScript.

Give an example of a time that you used Prototypal Q OO in JavaScript.

Explain the differences between one-way data flow and two-way data binding.

What is a RESTful Web Service?

**JS ADVANCED INTERVIEW QUESTIONS(SET-5)**

1. Can you name two programming paradigms important for JavaScript app developers?

2. What is functional programming?

3. What is the difference between classical inheritance and prototypal inheritance?

4. What are the pros and cons of functional programming vs object-oriented programming?

5. When is classical inheritance an appropriate choice?

6. When is prototypal inheritance an appropriate choice?

7. What does “favor object composition over class inheritance” mean?

8. What are two-way data binding and one-way data flow, and how are they different?

9. What are the pros and cons of monolithic vs microservice architectures?

10. What is asynchronous programming, and why is it important in JavaScript

11. What is a closure?

12. Is JavaScript block-scoped or function scoped?

13. Is JavaScript a compiled or interpreted language?

14. What is function hoisting? Provide some examples where it can be good or bad.

15. What is type coercion and when is it useful or dangerous.

16. What is the difference between == and ===.

17. What is the difference between call, apply, and bind?

18. What is the difference between encryption and hashing?

19. Is JavaScript static or dnyamic? Is it strongly or weakly type?

20. What is the difference between progressive enhancement versus graceful degradation?

21. What is object serialization and deserialization. Give examples.

22. Does JavaScript use mixins?

23. What is tree shaking in JavaScript?

24. What is reflection? Can you give examples of reflect methods you've used in the past?

25. What is the V8 engine? Is the V8 engine written in JavaScript?

26. CommonJS vs AMD vs ES2015, what are the differences and which one do you prefer and why?

27. What is fault tolerance? How can you improve your app's fault tolerance?

28. What are the differences between window and document in the browser?

29. What is a host object? How is it different from a native object?

30. What is the difference between event bubbling and event capturing?

31. What is browser detection? How is it different from feature detection? Give examples of when you would use them.

32. What is Shadow DOM?

33. How is the DOM different from BOM in JavaScript?

34. What is the Temporal Dead Zone?

35. Arrow functions are cool in ES6. When should you NOT use arrow functions. Name three or more cases.

36. What is a trampolined function? What is it used for? Will we still need this technique with ES6?

37. What is a symbol in JavaScript? Is it a primitive? What's a typical use case for a symbol in ES6?

38. What is the difference between Map and WeakMap in ES6?

39. What is a callback?

40. What is a generator?

41. What is a thunk in Javascript?

42. What is the event loop in Javascript? How does this differ/compare to some other languages?

43. What is a race condition?

44. Are there any differences between a thunk and a promise?

45. What is the value of `console.log(+'meow')`? Explain your answer.

46. What does `3 instanceof Number` evaluate to? True or false? Explain your answer.

47. Why is my import statement not working in the browser?

48. What is the difference between an array literal and condensed arrays?

49. What does it mean to "hydrate" an object in JavaScript?

50. Why is eval() considered evil and dangerous?

51. What is meant by 'repaint and reflow'? How does it affect your application?

52. What is currying?

53. In TDD what is the difference between a spy, mock, and stub?

54. What's the difference between (visibility: hidden) and (display: none)? Which is better for your website's performance?

55. What are memory leaks? What are the most common leaks in your JS code?

56. What are the differences between graceful degradation and progressive enhancement? Can you give examples?

57. Value vs. Reference — Understand how objects, arrays, and functions are copied and passed into functions. Know that the reference is what's being copied. Understand that primitives are copied and passed by copying the value.

58. Scope — Understand the difference between global scope, function scope,block scope

59. Hoisting — Understand that variable and function declarations are hoisted to the top of their available scope. Understand that function expressions are not hoisted.

60. Closures — Know that a function retains access to the scope that it was created in. Know what this lets us do, such as data hiding, memoization, and dynamic function generation.

61. this — Know the rules of this binding. Know how it works, know how to figure out what it will be equal to in a function, and know why it’s useful.

62. new — Know how it relates to object oriented programming. Know what happens to a function called with new . Understand how the object generated by using new inherits from the function’s prototype property.

63. apply , call , bind — Know how each of these functions work. Know how to use them. Know what they do to this .

64. Prototypes & Inheritance — Understand that inheritance in JavaScript works through the [[Prototype]] chain. Understand how to set up inheritance through functions and objects and how new helps us implement it. Know what the \_\_proto\_\_ and prototype properties are and what they do.

65. Asynchronous JS — Understand the event loop. Understand how the browser deals with user input, web requests, and events in general. Know how to recognize and correctly implement asynchronous code. Understand how JavaScript is both asynchronous and single-threaded.

66. Higher Order Functions — Understand that functions are first-class objects in JavaScript and what that means. Know that returning a function from another function is perfectly legal. Understand the techniques that closures and higher order functions allow us to use.

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**SET-6**

1. What are Promises?

2. How does prototypal inheritance differ from classical inheritance?

3. What is the output of the following code?

const a = [1, 2, 3]

const b = [1, 2, 3]

const c = "1,2,3"

console.log(a == c)

console.log(a == b)

4. What does the following function return?

function greet() {

return

{

message: "hello"

}

}

5. Are semicolons required in JavaScript?

6. What is short-circuit evaluation in JavaScript?

7. What is the difference between synchronous and asynchronous code in JavaScript?

8. What does the following code evaluate to?

9. What are JavaScript data types?

10. What are the differences between var , let , const and no keyword statements?

11. What is a cross-site scripting attack (XSS) and how do you prevent it?

12. What is Big O Notation?

13. How can you avoid callback hells?

getData(function(a) {

getMoreData(a, function(b) {

getMoreData(b, function(c) {

getMoreData(c, function(d) {

getMoreData(d, function(e) {

// ...

})

})

})

})

})

14. Which is the preferred option between callback refs and findDOMNode()?

15. What is the children prop?

16. What is a closure? Can you give a useful example of one?

17. What is context?

18. What is event-driven programming?

19. What are fragments?

20. What is functional programming?

21. Explain the differences between imperative and declarative programming.

22. What is memoization?

23. How do you ensure methods have the correct this context in React component classes?

24. Contrast mutable and immutable values, and mutating vs non-mutating methods.

25. What is the only value not equal to itself in JavaScript?

26. Explain event delegation.

27. Explain how this works in JavaScript.

28. Can you give an example of one of the ways that working with this has changed in ES6?

29. Explain how prototypal inheritance works.

30. What's the difference between a variable that is: null , undefined or undeclared?

31. How would you go about checking for any of these states?

32. What is a closure, and how/why would you use one?

33. What language constructions do you use for iterating over object properties and array items?

34. Can you describe the main difference between the Array.forEach() loop and Array.map() methods and why you would pick one versus the other?

35. What's a typical use case for anonymous functions?

36. What's the difference between host objects and native objects?

37. Explain the difference between: function Person(){} , var person = Person() , and var person = new Person() ?

38. Explain the differences on the usage of foo between function foo() {} and var foo = function() {}

39. Can you explain what Function.call and Function.apply do? What's the notable difference between the two?

40. Explain Function.prototype.bind .

41. What's the difference between feature detection, feature inference, and using the UA string?

42. Explain "hoisting".

43. Describe event bubbling.

44. Describe event capturing.

45. What's the difference between an "attribute" and a "property"?

46. What are the pros and cons of extending built-in JavaScript objects?

47. What is the difference between == and === ?

48. Explain the same-origin policy with regards to JavaScript.

49. Why is it called a Ternary operator, what does the word "Ternary" indicate?

50. What is strict mode? What are some of the advantages/disadvantages of using it?

51. What are some of the advantages/disadvantages of writing JavaScript code in a language that compiles to JavaScript?

52. What tools and techniques do you use debugging JavaScript code?

53. Explain the difference between mutable and immutable objects.

54. What is an example of an immutable object in JavaScript?

55. What are the pros and cons of immutability?

56. How can you achieve immutability in your own code?

57. Explain the difference between synchronous and asynchronous functions.

58. What is event loop?

59. What is the difference between call stack and task queue?

60. What are the differences between variables created using let , var or const ?

61. What are the differences between ES6 class and ES5 function constructors?

62. Can you offer a use case for the new arrow => function syntax? How does this new syntax differ from other functions?

63. What advantage is there for using the arrow syntax for a method in a constructor?

64. What is the definition of a higher-order function?

65. Can you give an example for destructuring an object or an array?

66. Can you give an example of generating a string with ES6 Template Literals?

67. Can you give an example of a curry function and why this syntax offers an advantage?

68. What are the benefits of using spread syntax and how is it different from rest syntax ?

69. How can you share code between files?

70. Why you might want to create static class members?

71. Explain event delegation

72. Explain how this works in JavaScript

73. Explain how prototypal inheritance works

74. What do you think of AMD vs CommonJS?

75. Explain why the following doesn't work as an IIFE: function foo(){ }(); . What needs to be changed to properly make it an IIFE?

76. What's the difference between a variable that is: null , undefined or undeclared? How would you go about checking for any of these states?

77. What is a closure, and how/why would you use one?

78. Can you describe the main difference between a .forEach loop and a .map() loop and why you would pick one versus the other?

79. What's a typical use case for anonymous functions?

80. How do you organize your code? (module pattern, classical inheritance?)

81. What's the difference between host objects and native objects?

82. Difference between: function Person(){} , var person = Person() , and var person = new Person() ?

83. What's the difference between .call and .apply ?

84. Explain Function.prototype.bind .

85. When would you use document.write() ?

86. What's the difference between feature detection, feature inference, and using the UA string?

87. Explain Ajax in as much detail as possible.

88. What are the advantages and disadvantages of using Ajax?

89. Explain how JSONP works (and how it's not really Ajax).

90. Have you ever used JavaScript templating? If so, what libraries have you used?

91. Explain "hoisting".

92. What's the difference between an "attribute" and a "property"?

93. Why is extending built-in JavaScript objects not a good idea?

94. Difference between document load event and document DOMContentLoaded event?

95. Explain the same-origin policy with regards to JavaScript.

96. Make this work: duplicate([1,2,3,4,5]); // [1,2,3,4,5,1,2,3,4,5]

97. Why is it called a Ternary expression, what does the word "Ternary" indicate?

98. What is "use strict";? what are the advantages and disadvantages to using it?

99. Explain how this works in JavaScript

100. What is the difference between let and var and const ?