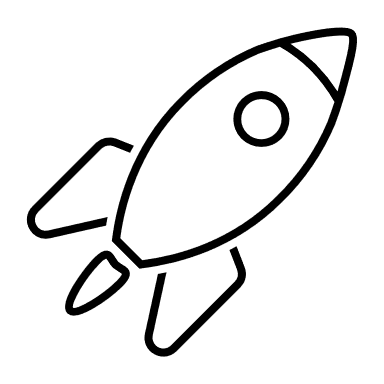
JavaScript Near to Engine  
 *- solve problems to feel the JS engine*

1. JavaScript is a -

1. Multi-Threaded Language.
2. Single Threaded Language.

2. JavaScript is a -

1. Compiled Language
2. Interpreted Language
3. JIT Compiled Language

3. How many call stack(s) JavaScript do have?

-

4. Is JavaScript synchronous or asynchronous language?

-

5. Is JavaScript blocking or non-blocking in nature?

-

6. How many types of execution context does JavaScript create to run code?

-

7. Who controls the flow of execution context?

-

8. What is the first execution context that gets pushed to call stack?

-

9. Memory Heap is responsible for holding –

* 1. Primitive type value.
  2. Non-Primitive type value.

10. Everything happens in JavaScript inside –

1. Call Stack
2. Memory Heap
3. Web Api

11. Which is the first phase of execution context?

1. Code Execution Phase
2. Memory Creation Phase
3. Garbage collection Phase

12. Global Execution Context runs –

1. Local code
2. Global code

13. In Memory creation phase JavaScript assigns Null to any variable declared with Var –

1. True
2. False

14. In memory creation phase, for any function declaration JavaScript keeps –

1. Undefined in the memory
2. Null in the memory
3. Function Body in the memory

15. Any global variable declared with Var or Function, binds as a property of –

1. Window Object
2. this
3. Script

16. The memory space of let & const is named as –

* 1. global
  2. closure
  3. script

17. Scope of variable declared with var is –

* 1. Local Scope
  2. Block Scope
  3. Function Scope

18. What is the scope of let & const -

-

19. Hoisting happens in JavaScript due to -

* 1. Code Execution Phase
  2. Memory Creation Phase

20. Temporal Dead Zone is Created for –

* 1. var
  2. let
  3. const

21. In the temporal dead zone JavaScript throws error –

* 1. True
  2. False

22. What is the output of the code snippet?

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Description automatically generated with medium confidence

23. What is the output of the code snippet?

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Description automatically generated with medium confidence

24. What is the output of the code snippet?



25. what is the output of the code snippet?

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Description automatically generated with medium confidence  
26. What is parameter & argument of function? Write an example.

-

27. What is Higher Order Function?

-

28. JavaScript behaves asynchronously with the help of –

* + 1. Web Api
    2. Event Loop

1. Micro Task Queue
2. Macro Task Queue

29. What is the value of this in global space?

-

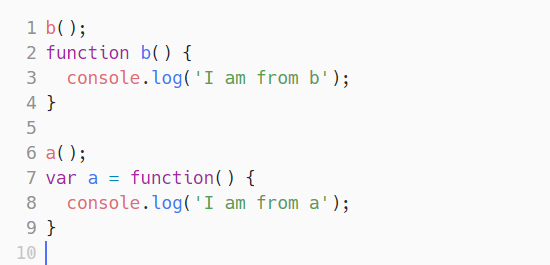
30. What is the value of this in a global function?

-

31. What will happen if we run this code below?



32. What is the output of the code?



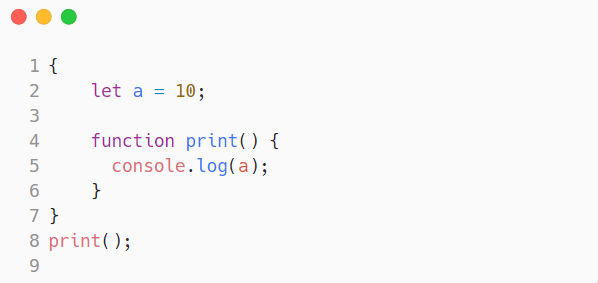
33. We can assign a function expression in a variable in JavaScript –

* 1. True
  2. False

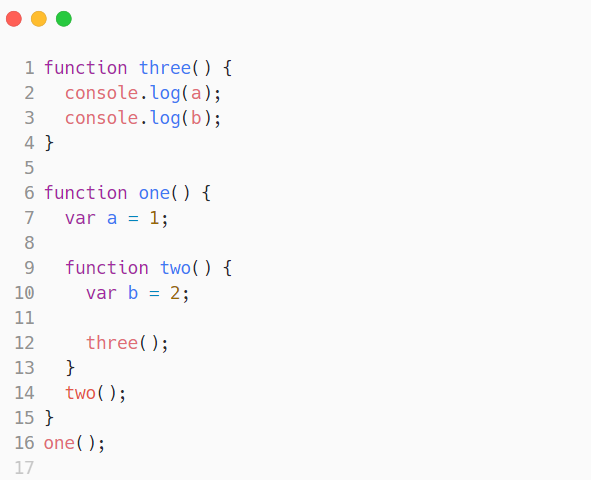
34. Write the output of the code below –



35. What is the output of the code below?



36. What is the output of the code below?



37. What is the output of the code below?



38. What is the output of the code below?

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39. How many types of task queue are available in JavaScript engine?

-

40. Which task queue has the lowest priority?

-  
 41. What is the purpose of Event Loop?

-

42. Among callback of setTimeout and callback of Promise, which has the highest priority to be pushed in the call stack?

-

43. We can set/change the context of method by using

* 1. call
  2. apply

1. bind

44. Which one returns a function?

* 1. call

1. bind
2. apply

45. What is the output of the code below?



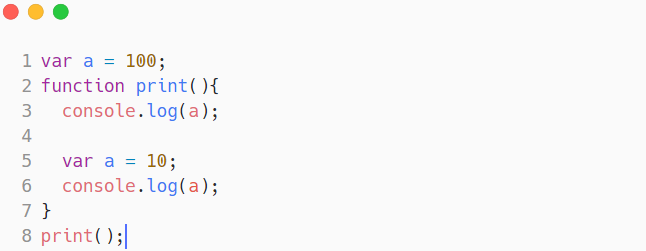
46. What is the value of a variable which is declared but not initialized?

-

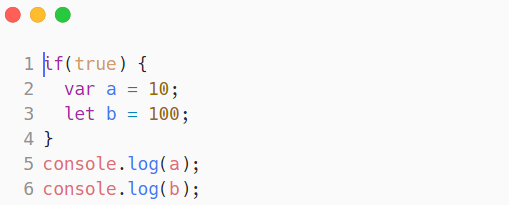
47. What is the difference between function declaration and function expression?

-

48. What is the output of the following code snippet?



49. What is the output of the following code snippet?



50. Whenever a function is invoked a new execution context is created. Is it true or false?

-

51. Whenever a function execution is done, it is popped out from the stack and all the local

variables are garbage collected –

* 1. True
  2. False

52. What is the output of the following code?



53. Arrow function inherits this from outer lexical environment –

* 1. True

1. False

54. Constructor function needs to be invoked with the keyword –

* 1. this

1. new
2. call

55. What is the output of the following code?



56. Is there any guarantee that callback of setTimeout will always run after given time passed to setTimeout?

* 1. Yes

1. No

57. What is the output of the code below?

  
58. For creating a Closure there must be a parent child relationship between two function –

* 1. True
  2. False

59. In JavaScript, we can achieve inheritance by the concept of –

* 1. Closure

1. Hoisting
2. Prototype

60. Variable declared with let and const are not hoisted –

* 1. True

1. False

61. In JavaScript we can return a function from inside of another function –

* 1. True

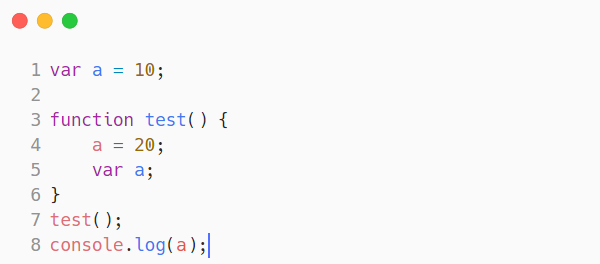
1. False

62. Callback of setTimeout, setInterval, Dom event goes to –

* 1. Micro Task Queue

1. Macro Task Queue

63. What is the output of the following code?



64. What is the output of the following code?



65. What is the name of global execution context inside browser’s call stack?

* 1. Script

1. Anonymous
2. Local

66. Encapsulation in JavaScript can be achieved by the –

* 1. Prototype

1. Scope
2. Closure

67. In JavaScript, it is possible to access child scope from the parent scope –

* 1. True

1. False

68. Declaring method inside prototype property creates –

* 1. Only one copy of the method in memory

1. Creates each copy for newly created object/instance.

69. What is the output of the following code?



70. What is the output of the following code?



71. What is the output of the following code?

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Description automatically generated

72. What is the output of the following code?

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