

1.

```
function greet() {  
  console.log("Hello, World!");  
}  
greet();
```

What will be the output?

A) Hello, World!

B) Undefined

C) Error

D) Nothing

2.

```
function sayHi(name) {  
  console.log("Hi, " + name);  
}  
sayHi("John");
```

What will be the output?

A) Hi, John

B) Hi, undefined

C) Error

D) Nothing

3.

```
function multiply(a, b) {  
  console.log(a * b);  
}  
multiply(2, 3);
```

What will be the output?

A) 5

B) 6

C) Undefined

D) Error

4.

```
function subtract(a, b) {  
    console.log(a - b);  
}  
subtract(5);
```

What will be the output?

A) NaN

B) 5

C) Undefined

D) Error

5.

```
function add(a, b = 2) {  
    console.log(a + b);  
}  
add(3);
```

What will be the output?

A) 5

B) 3

C) Undefined

D) NaN

6.

```
function showMessage() {  
    console.log("Hello!");  
}
```

```
}  
showMessage();
```

What will be the output?

A) Hello!

B) Undefined

C) Error

D) NaN

7.

```
function printValue(a) {  
    console.log(a);  
}  
printValue();
```

What will be the output?

A) Undefined

B) Error

C) Null

D) NaN

8.

```
function concatStrings(a, b) {  
    console.log(a + b);  
}  
concatStrings("Hello", "World");
```

What will be the output?

A) HelloWorld

B) Hello World

C) Undefined

D) NaN

9.

```
function greet() {  
    console.log("Hi!");  
}  
function callGreet() {  
    greet();  
}  
callGreet();
```

What will be the output?

A) Hi!

B) Undefined

C) Error

D) Nothing

10.

```
function double(a) {  
    console.log(a * 2);  
}  
double(4);  
double();
```

What will be the output?

A) 8 and NaN

B) 8 and Undefined

C) Error

D) NaN

11.

```
function outer() {  
    console.log("Outer function");  
    function inner() {  
        console.log("Inner function");  
    }  
}
```

```
    inner();  
}  
outer();
```

What will be the output?

A) Outer function
Inner function

B) Outer function

C) Inner function

D) Error

12.

```
function calculate(a, b, c) {  
    console.log(a + b * c);  
}  
calculate(2, 3, 4);
```

What will be the output?

A) 14

B) 20

C) 10

D) NaN

13.

```
function logValue(x) {  
    console.log(x);  
}  
logValue();  
logValue(5);
```

What will be the output?

A) Undefined, 5

B) NaN, 5

C) 5, Undefined

D) Error

14.

```
function funOne() {  
    console.log("funOne started");  
    funTwo();  
}  
function funTwo() {  
    console.log("funTwo executed");  
}  
funOne();
```

What will be the output?

A) funOne started
funTwo executed

B) funOne started

C) funTwo executed

D) Error

15.

```
function test(a, b) {  
    console.log(a + b);  
}  
test(4);
```

What will be the output?

A) NaN

B) 4

C) Undefined

D) Error

16.

```
function callInner() {  
    function inner() {  
        console.log("Inner function called");  
    }  
    inner();  
}  
callInner();
```

What will be the output?

A) Inner function called

B) Undefined

C) Error

D) Nothing

17.

```
function outer(a) {  
    function inner(b) {  
        console.log(a + b);  
    }  
    inner(3);  
}  
outer(7);
```

What will be the output?

A) 10

B) NaN

C) Error

D) Undefined

18.

```
function calculate(x) {  
    console.log(x * x);  
}  
calculate(0);
```

What will be the output?

A) 0

B) 1

C) Undefined

D) Error

19.

```
function funOne(a, b) {  
    console.log(a + b);  
    funTwo();  
}  
function funTwo() {  
    console.log("Function Two executed");  
}  
funOne(2, 3);
```

What will be the output?

A) 5
Function Two executed

B) 5

C) Function Two executed

D) Error

20.

```
function display(a) {  
    console.log("Value is: " + a);  
}  
display();
```

What will be the output?

A) Value is: undefined

B) Error

C) Nothing

D) NaN

21.

```
function funOne(a, b, c) {  
    console.log("funOne started");  
    console.log(a + b + c);  
    funTwo(a, c);  
}  
function funTwo(a, b) {  
    console.log(a * b);  
    funThree(a - b);  
}  
function funThree(x) {  
    console.log("funThree executed");  
    console.log(x + 5);  
}  
funOne(2, 3, 4);
```

What will be the output?

- A) funOne started, 9, 8, funThree executed, 3
 - B) funOne started, 8, 6, funThree executed, 2
 - C) funOne started, 9, 8, funThree executed, 7
 - D) Error
-

22.

```
function calculate(a, b) {  
    console.log("Calculation begins");  
    sum(a, b);  
}  
function sum(x, y) {  
    console.log("Sum is:", x + y);  
    difference(x, y);  
}  
function difference(x, y) {  
    console.log("Difference is:", x - y);  
}  
calculate(5, 3);
```

What will be the output?

- A) Calculation begins, Sum is: 8, Difference is: 2

- B) Calculation begins, Sum is: 2, Difference is: 8
 - C) Calculation begins, Difference is: 2, Sum is: 8
 - D) Error
-

23.

```
function outer(a) {  
  console.log("Outer function: " + a);  
  function inner(b) {  
    console.log("Inner function: " + b);  
    nested(b * 2);  
  }  
  function nested(c) {  
    console.log("Nested function: " + c);  
  }  
  inner(a + 3);  
}  
outer(5);
```

What will be the output?

- A) Outer function: 5, Inner function: 8, Nested function: 16
 - B) Outer function: 5, Inner function: 8, Nested function: 11
 - C) Outer function: 5, Inner function: 3, Nested function: 6
 - D) Error
-

24.

```
function main(a) {  
  console.log("Main started");  
  secondary(a * 2);  
}  
function secondary(x) {  
  console.log("Secondary value:", x);  
  helper(x + 3);  
}  
function helper(y) {  
  console.log("Helper value:", y);  
}  
main(4);
```

What will be the output?

A) Main started, Secondary value: 8, Helper value: 11

B) Main started, Secondary value: 4, Helper value: 7

C) Main started, Helper value: 11, Secondary value: 8

D) Error

25.

```
function taskOne(a, b) {  
    console.log("Task one started");  
    taskTwo(a - b);  
}  
function taskTwo(x) {  
    console.log("Task two value:", x);  
    taskThree(x * 3);  
}  
function taskThree(y) {  
    console.log("Task three result:", y);  
}  
taskOne(10, 2);
```

What will be the output?

A) Task one started, Task two value: 8, Task three result: 24

B) Task one started, Task two value: 12, Task three result: 36

C) Task one started, Task three result: 24, Task two value: 8

D) Error

26.

```
function compute(a) {  
    console.log("Compute started");  
    square(a);  
}  
function square(x) {  
    console.log("Square:", x * x);  
    cube(x);  
}  
function cube(y) {  
    console.log("Cube:", y * y * y);  
}  
compute(3);
```

What will be the output?

A) Compute started, Square: 9, Cube: 27

B) Compute started, Square: 27, Cube: 9

C) Compute started, Cube: 9, Square: 27

D) Error

27.

```
function first(a, b) {  
    console.log("First function");  
    second(a + b);  
}  
function second(c) {  
    console.log("Second function with value:", c);  
    third(c * 2);  
}  
function third(d) {  
    console.log("Third function result:", d);  
}  
first(2, 3);
```

What will be the output?

A) First function, Second function with value: 5, Third function result: 10

B) First function, Second function with value: 6, Third function result: 12

C) First function, Second function with value: 5, Third function result: 8

D) Error

28.

```
function funMain(a) {  
    console.log("Main function value:", a);  
    function funSub1(b) {  
        console.log("Sub-function 1 value:", b);  
        funSub2(b + 2);  
    }  
    function funSub2(c) {  
        console.log("Sub-function 2 value:", c);  
    }  
    funSub1(a * 2);  
}
```

```
}  
funMain(3);
```

What will be the output?

- A) Main function value: 3, Sub-function 1 value: 6, Sub-function 2 value: 8
 - B) Main function value: 3, Sub-function 1 value: 5, Sub-function 2 value: 7
 - C) Main function value: 3, Sub-function 1 value: 6, Sub-function 2 value: 7
 - D) Error
-

29.

```
function outer(a, b) {  
    console.log("Outer function started");  
    function middle(x) {  
        console.log("Middle function:", x);  
        inner(x - 1);  
    }  
    function inner(y) {  
        console.log("Inner function:", y);  
    }  
    middle(a * b);  
}  
outer(3, 4);
```

What will be the output?

- A) Outer function started, Middle function: 12, Inner function: 11
 - B) Outer function started, Middle function: 7, Inner function: 6
 - C) Outer function started, Middle function: 12, Inner function: 6
 - D) Error
-

30.

```
function start(a) {  
    console.log("Start function with value:", a);  
    function process(b) {  
        console.log("Process function with value:", b);  
        finalize(b + 5);  
    }  
    function finalize(c) {
```

```
        console.log("Finalize function result:", c);
    }
    process(a * 3);
}
start(2);
```

What will be the output?

- A) Start function with value: 2, Process function with value: 6, Finalize function result: 11
 - B) Start function with value: 2, Process function with value: 5, Finalize function result: 10
 - C) Start function with value: 2, Process function with value: 6, Finalize function result: 10
 - D) Error
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