**1.**

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

**What will be the output?**

1. Hello, World!
2. Undefined
3. Error
4. Nothing

**2.**

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

**What will be the output?**

1. Hi, John
2. Hi, undefined
3. Error
4. Nothing

**3.**

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

**What will be the output?**

1. 5
2. 6
3. Undefined
4. Error

**4.**

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

**What will be the output?**

1. NaN
2. 5
3. Undefined
4. Error

**5.**

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

**What will be the output?**

1. 5
2. 3
3. Undefined
4. NaN

**6.**

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

**What will be the output?**

1. Hello!
2. Undefined
3. Error
4. NaN

**7.**

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

**What will be the output?**

1. Undefined
2. Error
3. Null
4. NaN

**8.**

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

**What will be the output?**

1. HelloWorld
2. Hello World
3. Undefined
4. NaN

**9.**

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

**What will be the output?**

1. Hi!
2. Undefined
3. Error
4. Nothing

**10.**

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

**What will be the output?**

1. 8 and NaN
2. 8 and Undefined
3. Error
4. NaN

**11.**

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

**What will be the output?**

1. Outer function  
   Inner function
2. Outer function
3. Inner function
4. Error

**12.**

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

**What will be the output?**

1. 14
2. 20
3. 10
4. NaN

**13.**

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

**What will be the output?**

1. Undefined, 5
2. NaN, 5
3. 5, Undefined
4. Error

**14.**

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

**What will be the output?**

1. funOne started  
   funTwo executed
2. funOne started
3. funTwo executed
4. Error

**15.**

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

**What will be the output?**

1. NaN
2. 4
3. Undefined
4. Error

**16.**

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

**What will be the output?**

1. Inner function called
2. Undefined
3. Error
4. Nothing

**17.**

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

**What will be the output?**

1. 10
2. NaN
3. Error
4. Undefined

**18.**

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

**What will be the output?**

1. 0
2. 1
3. Undefined
4. 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?**

1. 5  
   Function Two executed
2. 5
3. Function Two executed
4. Error

**20.**

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

**What will be the output?**

1. Value is: undefined
2. Error
3. Nothing
4. 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?**

1. funOne started, 9, 8, funThree executed, 3
2. funOne started, 8, 6, funThree executed, 2
3. funOne started, 9, 8, funThree executed, 7
4. 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?**

1. Calculation begins, Sum is: 8, Difference is: 2
2. Calculation begins, Sum is: 2, Difference is: 8
3. Calculation begins, Difference is: 2, Sum is: 8
4. 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?**

1. Outer function: 5, Inner function: 8, Nested function: 16
2. Outer function: 5, Inner function: 8, Nested function: 11
3. Outer function: 5, Inner function: 3, Nested function: 6
4. 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?**

1. Main started, Secondary value: 8, Helper value: 11
2. Main started, Secondary value: 4, Helper value: 7
3. Main started, Helper value: 11, Secondary value: 8
4. 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?**

1. Task one started, Task two value: 8, Task three result: 24
2. Task one started, Task two value: 12, Task three result: 36
3. Task one started, Task three result: 24, Task two value: 8
4. 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?**

1. Compute started, Square: 9, Cube: 27
2. Compute started, Square: 27, Cube: 9
3. Compute started, Cube: 9, Square: 27
4. 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?**

1. First function, Second function with value: 5, Third function result: 10
2. First function, Second function with value: 6, Third function result: 12
3. First function, Second function with value: 5, Third function result: 8
4. 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?**

1. Main function value: 3, Sub-function 1 value: 6, Sub-function 2 value: 8
2. Main function value: 3, Sub-function 1 value: 5, Sub-function 2 value: 7
3. Main function value: 3, Sub-function 1 value: 6, Sub-function 2 value: 7
4. 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?**

1. Outer function started, Middle function: 12, Inner function: 11
2. Outer function started, Middle function: 7, Inner function: 6
3. Outer function started, Middle function: 12, Inner function: 6
4. 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?**

1. Start function with value: 2, Process function with value: 6, Finalize function result: 11
2. Start function with value: 2, Process function with value: 5, Finalize function result: 10
3. Start function with value: 2, Process function with value: 6, Finalize function result: 10
4. Error