**1.**

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

**What will be the output?**

1. 5
2. Undefined
3. Error
4. Nothing

**2.**

let multiply = (a, b) => {  
 return a \* b;  
};  
console.log(multiply(4, 5));

**What will be the output?**

1. 20
2. 9
3. Undefined
4. Error

**3.**

let greet = () => "Hello!";  
console.log(greet());

**What will be the output?**

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

**4.**

let subtract = function(a, b) {  
 return a - b;  
};  
console.log(subtract(10, 3));

**What will be the output?**

1. 7
2. -7
3. Undefined
4. Error

**5.**

let square = x => x \* x;  
console.log(square(5));

**What will be the output?**

1. 25
2. 5
3. Undefined
4. Error

**6.**

let divide = (a, b) => a / b;  
console.log(divide(10, 2));

**What will be the output?**

1. 5
2. 10
3. Undefined
4. Error

**7.**

let getValue = () => { return 42 };  
console.log(getValue());

**What will be the output?**

1. 42
2. Undefined
3. Error
4. Nothing

**8.**

let concatStrings = (a, b) => a + " " + b;  
console.log(concatStrings("Hello", "World"));

**What will be the output?**

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

**9.**

let compute = a => a \* 2;  
console.log(compute(3));

**What will be the output?**

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

**10.**

let sum = (a, b = 5) => a + b;  
console.log(sum(10));

**What will be the output?**

1. 15
2. 10
3. Undefined
4. Error

**11.**

let funOne = a => a + 1;  
let funTwo = b => funOne(b) \* 2;  
console.log(funTwo(3));

**What will be the output?**

1. 8
2. 6
3. 10
4. Error

**12.**

let add = (a, b) => { return a + b }  
console.log(add(2, 3)

**What will happen?**

1. 5
2. Error
3. Undefined
4. Nothing

**13.**

let outer = a => {  
 let inner = b => b \* b;  
 return inner(a) + a;  
};  
console.log(outer(3));

**What will be the output?**

1. 12
2. 6
3. 9
4. Error

**14.**

let square = x => x \* x;  
let addFive = y => square(y) + 5;  
console.log(addFive(4));

**What will be the output?**

1. 21
2. 25
3. 16
4. Error

**15.**

let multiply = (a, b) => return a \* b;  
console.log(multiply(2, 3));

**What will happen?**

1. 6
2. Error
3. Undefined
4. Nothing

**16.**

let nested = a => {  
 let inner = b => a + b;  
 return inner(a \* 2);  
};  
console.log(nested(3));

**What will be the output?**

1. 9
2. 6
3. 12
4. Error

**17.**

let funOne = a => a + 1;  
let funTwo = a => funOne(a) \* 2;  
let funThree = a => funTwo(a) - 3;  
console.log(funThree(3));

**What will be the output?**

1. 11
2. 8
3. 10
4. Error
5. 5

**18.**

let compute = (a, b) => { a + b };  
console.log(compute(2, 3));

**What will be the output?**

1. 5
2. Undefined
3. Error
4. Nothing

**19.**

let taskOne = a => {  
 let taskTwo = b => b \* 2;  
 return taskTwo(a) + 3;  
};  
console.log(taskOne(4));

**What will be the output?**

1. 11
2. 8
3. 10
4. Error

**20.**

let square = x => { return x \* x };  
console.log(square 5);

**What will happen?**

1. 25
2. Error
3. Undefined
4. Nothing

**21.**

let calculate = a => {  
 let double = b => b \* 2;  
 return double(a) + double(a + 1);  
};  
console.log(calculate(2));

**What will be the output?**

1. 10
2. 12
3. 14
4. Error

**22.**

let add = (a, b) => return a + b;  
console.log(add(3, 4));

**What will happen?**

1. 7
2. Error
3. Undefined
4. Nothing

**23.**

let outer = a => {  
 let inner = b => b + a;  
 return inner(a \* 2);  
};  
console.log(outer(4));

**What will be the output?**

1. 12
2. 8
3. 16
4. Error

**24.**

let fun = a => {  
 let nested = b => b \* b;  
 return nested(a) + nested(a + 1);  
};  
console.log(fun(2));

**What will be the output?**

1. 13
2. 17
3. 10
4. Error

**25.**

let funOne = a => {  
 let funTwo = b => {  
 let funThree = c => c \* 2;  
 return funThree(b) + a;  
 };  
 return funTwo(a + 1);  
};  
console.log(funOne(3));

**What will be the output?**

1. 10
2. 9
3. 8
4. Error
5. 11

**26.** \*(Syntax Error)

let calc = a => {  
 let double = b => b \* 2;  
 return double(a) + double(a + 1)  
};  
console.log(calc(3);

**What will happen?**

1. 14
2. Error
3. Undefined
4. Nothing

**27.**

let generate = a => {  
 let modify = b => a \* b;  
 let compute = c => modify(c) + 2;  
 return compute(a + 1);  
};  
console.log(generate(3));

**What will be the output?**

1. 11
2. 12
3. 14
4. Error

**28.** \*(Syntax Error)

let sum = (a, b) => {  
 return a + b;  
}  
console.log(sum(3, ));

**What will happen?**

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

**29.**

let operation = x => {  
 let multiply = y => y \* 3;  
 let add = z => multiply(z) + 4;  
 return add(x \* 2);  
};  
console.log(operation(2));

**What will be the output?**

1. 16
2. 14
3. 10
4. Error

**30.**

let compute = a => {  
 let half = b => b / 2;  
 let square = c => half(c) \* half(c);  
 return square(a \* 2);  
};  
console.log(compute(4));

**What will be the output?**

1. 16
2. 8
3. 4
4. Error