1.

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

What will be the output?

A) 5

B) Undefined

C) Error

D) Nothing

2.

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

What will be the output?

A) 20

B) 9

C) Undefined

D) Error

3.

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

What will be the output?

A) Hello!

B) Undefined

C) Error

D) Nothing

4.

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

What will be the output?

A) 7

B) -7

C) Undefined

D) Error

5.

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

What will be the output?

A) 25

B) 5

C) Undefined

D) Error

6.

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

What will be the output?

A) 5

B) 10

C) Undefined

D) Error

7.

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

What will be the output?

A) 42

B) Undefined

C) Error

D) Nothing

8.

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

What will be the output?

A) Hello World

B) HelloWorld

C) Undefined

D) Error

9.

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

What will be the output?

A) 6

B) 3

C) Undefined

D) Error

10.

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

What will be the output?

A) 15

B) 10

C) Undefined

D) Error

11.

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

What will be the output?

A) 8

B) 6

C) 10

D) Error

12.

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

What will happen?

A) 5

B) Error

C) Undefined

D) Nothing

13.

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

What will be the output?

A) 12

B) 6

C) 9

D) Error

14.

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

What will be the output?

A) 21

B) 25

C) 16

D) Error

15.

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

What will happen?

A) 6

B) Error

C) Undefined

D) Nothing

16.

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

What will be the output?

A) 9

B) 6

C) 12

D) 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?

A) 11

B) 8

C) 10

D) Error

Ans:-5

18.

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

What will be the output?

A) 5

B) Undefined

C) Error

D) Nothing

19.

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

What will be the output?

A) 11

B) 8

C) 10

D) Error

20.

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

What will happen?

A) 25

B) Error

C) Undefined

D) 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?

A) 10

B) 12

C) 14

D) Error

22.

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

What will happen?

A) 7

B) Error

C) Undefined

D) Nothing

23.

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

What will be the output?

A) 12

B) 8

C) 16

D) 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?

A) 13

B) 17

C) 10

D) 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));
```

Ans:-11

What will be the output?

A) 10

B) 9

C) 8

D) Error

---

26. *(Syntax Error)

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

What will happen?

A) 14

B) Error

C) Undefined

D) 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?

A) 11

B) 12

C) 14

D) Error

---

28. *(Syntax Error)

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

What will happen?

A) 3

B) Error

C) Undefined

D) Nothing
Ans:- NaN

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?

A) 16

B) 14

C) 10

D) 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?

A) 16

B) 8

C) 4

D) Error
