

JavaScript Quiz

Variables and Operators

1. What is the output of the following code? let a = 1; let b = 0; while (a <= 3) { a++;

```
    b += a * 2;
  } console . log (b );
```

- (a) 10
- (b) 12
- (c) 14
- (d) 16

Ans:- 18

2. What does the following code output? let x = 0; let y = '0'; console . log (x == y , x === y);

- (a) true false
- (b) false true
- (c) true true
- (d) false false

3. Given the following code, what is the value of x after execution? let x = 3;

```
x += (x *= 2);
```

- (a) 6
- (b) 9
- (c) 12
- (d) 15

Control Statements

4. What will the following code output?

```
for ( let i = 0; i < 3; i++) {
    setTimeout (() => console . log ( i ) , 1000);
}
```

- (a) 0 1 2
- (b) 3 3 3

- (c) 0 1 2 3
- (d) undefined undefined undefined

5. What is the output of this code?

```
let x = 10; if (x =
5) {
    console.log (x);
} else { console.log (x * 2);
}
```

- (a) 5
- (b) 10
- (c) 20
- (d) 0

Loops

6. How many times will the loop execute?

```
let count = 0; for ( let i = 1; i <= 5; i++) {
    for ( let j = i; j <= 5; j++) {
        count++;
    }
} console.log ( count );
```

- (a) 5
- (b) 10(c) 15
- (d) 20

7. What is the output of the following code?

```
let result = ''; for ( let i = 0; i < 4; i++) {
    for ( let j = 0; j < i; j++) {
        result += '*';
    }
} console.log ( result );
```

- (a) ***
- (b) ****
- (c) *****
- (d) *****

Ans:- *****

Functions

8. What will be logged to the console?

```
function foo (a, b = 4, c = 8) {  
    return a + b + c;  
} console.log (foo (2));
```

- (a) 14
- (b) 10
- (c) 6
- (d) 2

9. What is the output of this code?

```
(function (x) { return (function (y)  
    {  
        console.log (x);  
    })(2);  
})(1);
```

- (a) 1
- (b) 2
- (c) undefined
- (d) ReferenceError

Objects

10. What will the following code output?

```
const person = { name: 'John'  
    ,  
    greet: function () { console.log (this  
        .name);  
    }  
};  
const greet = person.greet; greet ();
```

- (a) John
- (b) undefined
- (c) ReferenceError
- (d) null

11. What is the output of this code?

```
const obj = { a :  
    1 ,  
    b: { c : 2 ,  
        d: 3  
    }  
};  
const { a , b: { c } } = obj ; console . log ( a , c );
```

- (a) 1 2
- (b) 1 3
- (c) undefined 2
- (d) undefined 3

Arrays

12. What will the following code output?

```
const arr = [1 , 2 , 3 , 4]; const result = arr . reduce (( acc , val ) => acc + val ,  
0); console . log ( result );
```

- (a) 10
- (b) 9(c) 8
- (d) 7

13. What is the output of this code?

```
const arr = [1 , 2 , 3]; arr [10] =  
99; console . log ( arr . length );
```

- (a) 3
- (b) 4
- (c) 11
- (d) 10

DOM

14. What will the following code output?

```
document . body .innerHTML = '<div id="test">Hello</div >';
```

```
const el = document . getElementById ( ' test ' ) ; console . log ( el .
textContent );
```

- (a) Hello
- (b) undefined
- (c) null
- (d) ReferenceError

15. How can you select all elements with the class name 'item'?

- (a) document.querySelector('.item')
- (b) document.querySelectorAll('.item')
- (c) document.getElementsByClassName('item')
- (d) Both b and c

16. What does the following code output?

```
let a = [ 1 , 2 , 3 ]; let b = [ 1 , 2 , 3 ]; console
.log ( a == b , a === b );
```

- (a) true true
- (b) false false
- (c) true false
- (d) false true

17. What will be the result of this code?

```
function    test () {
    console . log ( a ); console . log
    ( foo () );
    var a = 1;
    function    foo () {
        return    2;
    }
} test ();
```

- (a) undefined, 2
- (b) ReferenceError, 2
- (c) undefined, undefined
- (d) 1, 2

18. What does the following code output?

```
const a = {}; const b = { key : 'b'
}; const c = { key : 'c ' }; a [b] =
123; a [ c ] = 456;
console . log (a [b ] ) ;
```

- (a) 123
- (b) 456
- (c) undefined
- (d) TypeError

19. What will the following code output?

```
let x = [ 1 , 2 , 3 ]; let y = x ;
x = [ 4 , 5 , 6 ];
console . log (y );
```

- (a) [1, 2, 3] (b) [4, 5, 6]
- (c) undefined
- (d) TypeError

20. What will the following code output?

```
const obj1 = { key : ' value ' }; const obj2 =
obj1 ; obj2 . key = 'newValue ' ; console .
log ( obj1 . key );
```

- (a) value
- (b) newValue
- (c) undefined
- (d) TypeError