

1. Guess the output:

```
var numbers = [1, 2, 3];  
numbers.push(4);  
console.log(numbers);
```

—

a) [1, 2, 3, 4]

—

b) [4, 1, 2, 3]

—

c) [1, 2, 3]

—

d) Error

2. Guess the output:

```
var fruits = ["apple", "banana", "cherry"];  
var removed = fruits.pop();  
console.log(fruits, removed);
```

—

a) ["apple", "banana", "cherry"]

—

b) ["apple", "banana", "cherry"], undefined

—

c) ["cherry", "banana"]

—

d) Error

3. Guess the output:

```
var numbers = [5, 10, 15];  
var removed = numbers.shift();  
console.log(numbers, removed);
```

—

a) [10, 15], 5

—

b) [5, 10], 15

—

c) [5, 10, 15], undefined

—

d) Error

4. Guess the output:

```
var animals = ["cat", "dog"];  
var length = animals.unshift("lion");  
console.log(animals, length);
```

—

a) ["lion", "cat", "dog"], 3

—

b) ["cat", "dog", "lion"], 2

—

c) ["cat", "dog"], 2

—

d) Error

5. Guess the output:

```
var data = [100, 200, 300, 400];  
data.length = 2;  
console.log(data);
```

—

a) [100, 200]

—

b) [100, 200, 300, 400]

—

c) [100, 200, undefined]

—

d) Error

6. Guess the output:

```
var value = [1, 2, 3];  
var isArray = Array.isArray(value);  
console.log(isArray);
```

—

a) true

—

b) false

—

c) undefined

—

d) Error

7. Guess the output:

```
var arr1 = [1, 2];  
var arr2 = [3, 4];  
var result = arr1.concat(arr2);  
console.log(result);
```

—

a) [1, 2, 3, 4]

—

b) [1, 2], [3, 4]

—

c) [3, 4, 1, 2]

—

d) Error

8. Guess the output:

```
var letters = ["a", "b", "c"];
var count = letters.push("d", "e");
console.log(letters, count);
```

—

a) ["a", "b", "c", "d", "e"], 5

—

b) ["a", "b", "c"], 3

—

c) ["a", "b", "c", "d"], 4

—

d) Error

9. Guess the output:

```
var nums = [1, 2, 3, 4];
nums.pop();
nums.shift();
console.log(nums);
```

—

a) [1, 2, 3]

—

b) [2, 3]

—

c) [3, 4]

—

d) Error

10. Guess the output:

```
var arr = [1, 2, 3];
var length = arr.unshift(0);
arr.pop();
console.log(arr, length);
```

- a) [0, 1, 2], 4
- b) [0, 2], 3
- c) [0, 1], 2
- d) Error

11. Guess the output:

```
var items = ["pen", "pencil", "eraser"];  
var length = items.push("sharpener");  
console.log(items, length);
```

- a) ["pen", "pencil", "eraser", "sharpener"], 4
- b) ["pen", "pencil", "eraser"], 3
- c) ["sharpener", "pen", "pencil", "eraser"], 4
- d) Error

12. Guess the output:

```
var nums = [10, 20, 30];  
nums.length = 5;  
console.log(nums);
```

- a) [10, 20, 30, undefined, undefined]
-

b) [10, 20, 30]

-

c) [10, 20, 30, 0, 0]

-

d) Error

13. Guess the output:

```
var fruits = ["mango", "apple"];  
fruits.shift();  
fruits.push("orange");  
console.log(fruits);
```

-

a) ["apple", "orange"]

-

b) ["mango", "apple", "orange"]

-

c) ["orange"]

-

d) Error

14. Guess the output:

```
var arr = [1, 2, 3];  
arr.pop();  
arr.unshift(0);  
console.log(arr);
```

-

a) [0, 1, 2]

-

b) [0, 2]

-

c) [1, 2, 3]

-

d) Error

15. Guess the output:

```
var letters = ["x", "y"];  
letters.unshift("w");  
letters.push("z");  
console.log(letters);
```

-

a) ["w", "x", "y", "z"]

-

b) ["x", "y", "z", "w"]

-

c) ["w", "z"]

-

d) Error

16. Guess the output:

```
var values = [];  
values.push(1);  
values.pop();  
console.log(values);
```

-

a) []

-

b) [1]

-

c) [undefined]

-

d) Error

17. Guess the output:

```
var nums = [100];  
nums.unshift(50);  
nums.pop();  
console.log(nums);
```

•

a) [50]

•

b) [100, 50]

•

c) []

•

d) Error

18. Guess the output:

```
var arr1 = ["a"];  
var arr2 = ["b", "c"];  
var combined = arr1.concat(arr2);  
console.log(combined);
```

•

a) ["a", "b", "c"]

•

b) [["a"], ["b", "c"]]

•

c) ["a", "b", "c"]

•

d) Error

19. Guess the output:


```
var nums = [5, 10];  
nums.push(15);  
nums.shift();  
console.log(nums);
```

-

a) [10, 15]

-

b) [5, 10]

-

c) [5]

-

d) Error

20. Guess the output:

```
var data = ["x", "y"];  
data.unshift("z");  
data.pop();  
console.log(data);
```

-

a) ["z", "x"]

-

b) ["z", "y"]

-

c) ["x"]

-

d) Error

21. Guess the output:

```
var arr = [];  
arr.push(1, 2);  
arr.pop();  
console.log(arr);
```

- a) [1]
- b) [1, 2]
- c) []
- d) Error

22. Guess the output:

```
var arr = ["a", "b", "c"];  
arr.pop();  
arr.push("d");  
console.log(arr);
```

- a) ["a", "b", "d"]
- b) ["d", "b", "c"]
- c) ["a", "b", "c", "d"]
- d) Error

23. Guess the output:

```
var arr = ["x"];  
arr.unshift("y");  
arr.push("z");  
arr.shift();  
console.log(arr);
```

- a) ["x", "z"]

- - b) ["y", "z"]
- - c) ["z"]
- - d) Error

24. Guess the output:

```
var arr = ["1"];  
arr.unshift("2", "3");  
console.log(arr);
```

- - a) ["2", "3", "1"]
- - b) ["1", "2", "3"]
- - c) [1, 2, 3]
- - d) Error

25. Guess the output:

```
var arr = [10];  
arr.push(20, 30);  
arr.shift();  
console.log(arr);
```

- - a) [20, 30]
- - b) [10, 20]
-

c) [10, 20, 30]

-

d) Error

26. Guess the output:

```
var arr = [];  
arr.unshift("a");  
arr.push("b");  
arr.unshift("c");  
console.log(arr);
```

-

a) ["c", "a", "b"]

-

b) ["a", "b", "c"]

-

c) ["a", "b"]

-

d) Error

27. Guess the output:

```
var arr = ["1"];  
arr.pop();  
arr.unshift("2");  
console.log(arr);
```

-

a) ["2"]

-

b) ["1"]

-

c) ["2", "1"]

-

d) Error

28. Guess the output:

```
var nums = [5];  
nums.push(10, 15);  
nums.length = 2;  
console.log(nums);
```

•

a) [5, 10]

•

b) [5, 10, 15]

•

c) [5]

•

d) Error

29. Guess the output:

```
var arr = ["a", "b", "c"];  
arr.pop();  
arr.length = 5;  
console.log(arr);
```

•

a) ["a", "b", undefined, undefined, undefined]

•

b) ["a", "b", "c", undefined, undefined]

•

c) ["a", "b"]

•

d) Error

30. Guess the output:

```
var arr = ["p"];  
arr.push("q");  
arr.unshift("r");  
arr.shift();  
arr.pop();  
console.log(arr);
```

- - a) ["q"]
- - b) ["p"]
- - c) []
- - d) Error