1. What will be the output of the following code?

```
let x = 5;
x++;
console.log(x);
```

      A) 5

      B) 6

      C) 7

      D) 4

2. What will be the value of y after the following code executes?

```
let y = 10;
y--;
```

      A) 9

      B) 10

      C) 11

      D) 8

3. What does the ++ operator do?

      A)   Decreases the value by 1

      B)   Increases the value by 1

      C)   Multiplies the value by 2

      D)   Divides the value by 2

4. What is the result of the following code?

```
let num = 3;
console.log(num++);
```

      A) 3

B)   4

C)   5

D)   6

5. What is the difference between x++ and ++x?

A)   x++ increments the value before using it, while ++x increments after

B)   x++ increments after using it, while ++x increments before

C)   There is no difference

D)   Both increment before using the value

6. What will be the output of the following code?

```
let a = 1;
console.log(++a);
```

A)   1

B)   2

C)   3

D)   0

7. What will be the output of the following code?

```
let b = 2;
console.log(--b);
```

A)   1

B)   2

C)   3

D)   0

8. If `x = 5`, what does `y = ++x + 2` result in?

```
let x = 5;
let y = ++x + 2;
```

     A) 7

     B) 8

     C) 9

     D) 10

---

9. What will be the value of `result` in the following code?

```
let count = 10;
let result = count-- + 5;
```

     A) 14

     B) 15

     C) 16

     D) 10

---

10. What happens when you use `++` on a string in JavaScript?

```
let str = "abc";
str++;
```

     A) Increases the ASCII value of each character

     B) Converts the string to a number

     C) Results in NaN

     D) Throws an error

---

11. What will be the result of the following code?

```
let x = 4;
let y = x++ + ++x;
```

     A) 8

B) 9

C) 10

D) 11

12. What is the final value of z?

```
let z = 5;
z = z++ + ++z + z--;
```

A) 17

B) 16

C) 18

D) 19

13. What will the following code output?

```
let x = 10;
console.log(++x + x++);
```

A) 21

B) 22

C) 23

D) 20

14. What will be the final value of n?

```
let n = 6;
n = --n + ++n + n--;
```

A) 17

B) 16

C) 18

D) 15

15. What will the following code output?

```
let x = 3;
let y = x-- - --x;
console.log(y);
```

    A) 2

    B) 1

    C) 0

    D) -1

16. What will the following code output?

```
let x = 5;
let result = x-- - ++x + x++;
console.log(result);
```

    A) 1

    B) 0

    C) -1

    D) 2

17. What will be the output of this code?

```
let x = 3;
x++;
++x;
console.log(x);
```

    A) 4

    B) 5

    C) 6

    D) 3

18. Which of the following statements correctly decrements the value of z before using it?

```
let z = 7;
```

A) z--

B) --z

C) z -= 1

D) --z; z - 1

---

19. What will be the final value of sum?

```
let a = 4;
let sum = a++ + ++a + a--;
```

A) 13

B) 12

C) 14

D) 15

---

20. What will be the output of the following code?

```
let i = 2;
console.log(i-- + ++i);
```

A) 3

B) 4

C) 2

D) 5

---

21. What will the following code return?

```
let x = 0;
let y = x-- - --x + ++x;
```

A) -1

B) 0

C) 1

D) 2

---

22. What will be the output of the following code?

```
let x = 10;
let y = --x + x-- + ++x;
```

      A) 28

      B) 27

      C) 29

      D) 26

---

23. What will be the result of this expression?

```
let n = 5;
let result = n++ + --n - ++n;
```

      A) 7

      B) 6

      C) 5

      D) 8

---

24. What will be the output of this code?

```
let x = 5;
x = x-- - --x + ++x - x++;
```

      A) 2

      B) 3

      C) 4

      D) 1

---

25. What is the final value of `result`?

```
let a = 8;
let result = a-- + a++ + --a + ++a;
```

A) 32

B) 31

C) 30

D) 29

26. What will the following code return?

```
let x = 7;
let y = 9;
let z = x-- === 7 && y++ === 9;
console.log(z, x, y);
```

      A) true, 6, 9

      B) false, 6, 9

      C) true, 6, 10

      D) false, 7, 10

27. What is the result of the following code?

```
let a = 10;
let b = 5;
let result = a++ >= 10 || --b < 5;
console.log(result, a, b);
```

      A) true, 11, 4

      B) false, 11, 4

      C) true, 10, 4

      D) false, 11, 5

28. What will be the output of this code?

```
let x = 6;
let y = 3;
let result = ++x > 6 && --y < 3;
console.log(result, x, y);
```

A) true, 7, 2

B) false, 7, 3

C) true, 6, 2

D) false, 7, 2

29. What is the output of the following code?

```
let p = 0;
let q = 5;
let result = p++ === 0 && --q >= 5;
console.log(result, p, q);
```

A) true, 1, 4

B) false, 1, 5

C) false, 0, 5

D) true, 0, 4

30. What will be the result of the following code?

```
let x = 10;
let y = 20;
let result = x-- <= 10 || ++y > 20;
console.log(result, x, y);
```

A) true, 9, 21

B) false, 10, 20

C) false, 9, 20

D) true, 10, 21

31. What will the following code return?

```
let a = 2;
let b = 3;
let result = a++ < 3 && b-- > 2 || ++a === 4;
console.log(result, a, b);
```

A) true, 4, 3

B) false, 4, 3

C) true, 4, 2

D) false, 3, 2

32. What is the result of this expression?

```javascript
let x = 4;
let y = 8;
let result = x-- >= 4 || ++y === 9 && --x > 3;
console.log(result, x, y);
```

      A)   false, 3, 9

      B)   true, 3, 8

      C)   false, 3, 8

      D)   true, 2, 9

33. What will the following code output?

```javascript
let a = 5;
let b = 10;
let result = --a === 5 || ++b > 10 && a-- === 4;
console.log(result, a, b);
```

      A)   true, 4, 11

      B)   false, 4, 11

      C)   true, 5, 11

      D)   false, 4, 10

34. What will be the output of the following code?

```javascript
let p = 2;
let q = 4;
let result = p++ < 3 && ++q > 4 || q-- === 4;
console.log(result, p, q);
```

A) true, 3, 3

B) false, 3, 4

C) true, 2, 4

D) false, 2, 3

35. What will be the result of this expression?

```
let x = 3;
let y = 6;
let result = --x === 2 && ++y === 7 || x++ > 2;
console.log(result, x, y);
```

      A) true, 3, 7

      B) false, 2, 6

      C) true, 2, 7

      D) false, 3, 7

36. What is the output of the following code?

```
let p = 1;
let q = 5;
let result = p++ > 1 || q-- <= 5 && ++p === 3;
console.log(result, p, q);
```

      A) true, 3, 4

      B) false, 2, 4

      C) true, 3, 5

      D) false, 2, 5

37. What will the following code print?

```
let a = 5;
let b = 7;
let result = a-- < 5 && ++b > 7 || a-- === 4 && b++ === 8;
console.log(result, a, b);
```

A) true, 3, 8

B) false, 4, 8

C) true, 4, 9

D) false, 3, 7

38. What will be the result of this expression?

```
let a = 10;
let b = 15;
let result = --a > 9 || b-- < 15 && ++a === 9;
console.log(result, a, b);
```

A) true, 9, 15

B) false, 9, 14

C) true, 10, 14

D) false, 9, 13

39. What will be the output of the following code?

```
let x = 8;
let y = 12;
let result = x-- === 8 && ++y === 13 || x++ < 8;
console.log(result, x, y);
```

A) true, 8, 13

B) false, 8, 12

C) true, 7, 13

D) false, 9, 12

40. What will the following code return?

```
let p = 4;
let q = 6;
let result = p++ === 5 && --q === 5 || ++p > 4;
console.log(result, p, q);
```

A) true, 6, 5

B) false, 5, 5

C) true, 5, 6

D) false, 5, 7