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

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

* 1. 5
  2. 6
  3. 7
  4. 4

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

let y = 10;  
y--;

* 1. 9
  2. 10
  3. 11
  4. 8

### 3. What does the ++ operator do?

* 1. Decreases the value by 1
  2. Increases the value by 1
  3. Multiplies the value by 2
  4. Divides the value by 2

### 4. What is the result of the following code?

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

* 1. 3
  2. 4
  3. 5
  4. 6

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

* 1. x++ increments the value before using it, while ++x increments after
  2. x++ increments after using it, while ++x increments before
  3. There is no difference
  4. Both increment before using the value

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

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

* 1. 1
  2. 2
  3. 3
  4. 0

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

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

* 1. 1
  2. 2
  3. 3
  4. 0

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

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

* 1. 7
  2. 8
  3. 9
  4. 10

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

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

* 1. 14
  2. 15
  3. 16
  4. 10

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

let str = "abc";  
str++;

* 1. Increases the ASCII value of each character
  2. Converts the string to a number
  3. Results in NaN
  4. Throws an error

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

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

* 1. 8
  2. 9
  3. 10
  4. 11

### 12. What is the final value of z?

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

* 1. 17
  2. 16
  3. 18
  4. 19

### 13. What will the following code output?

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

* 1. 21
  2. 22
  3. 23
  4. 20

### 14. What will be the final value of n?

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

* 1. 17
  2. 16
  3. 18
  4. 15

### 15. What will the following code output?

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

* 1. 2
  2. 1
  3. 0
  4. -1

### 16. What will the following code output?

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

* 1. 1
  2. 0
  3. -1
  4. 2

### 17. What will be the output of this code?

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

* 1. 4
  2. 5
  3. 6
  4. 3

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

let z = 7;

* 1. z--
  2. --z
  3. z -= 1
  4. --z; z - 1

### 19. What will be the final value of sum?

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

* 1. 13
  2. 12
  3. 14
  4. 15

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

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

* 1. 3
  2. 4
  3. 2
  4. 5

### 21. What will the following code return?

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

* 1. -1
  2. 0
  3. 1
  4. 2

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

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

* 1. 28
  2. 27
  3. 29
  4. 26

### 23. What will be the result of this expression?

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

* 1. 7
  2. 6
  3. 5
  4. 8

### 24. What will be the output of this code?

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

* 1. 2
  2. 3
  3. 4
  4. 1

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

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

* 1. 32
  2. 31
  3. 30
  4. 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);

* 1. true, 6, 9
  2. false, 6, 9
  3. true, 6, 10
  4. 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);

* 1. true, 11, 4
  2. false, 11, 4
  3. true, 10, 4
  4. 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);

* 1. true, 7, 2
  2. false, 7, 3
  3. true, 6, 2
  4. 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);

* 1. true, 1, 4
  2. false, 1, 5
  3. false, 0, 5
  4. 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);

* 1. true, 9, 21
  2. false, 10, 20
  3. false, 9, 20
  4. 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);

* 1. true, 4, 3
  2. false, 4, 3
  3. true, 4, 2
  4. false, 3, 2

### 32. What is the result of this expression?

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

* 1. false, 3, 9
  2. true, 3, 8
  3. false, 3, 8
  4. true, 2, 9

### 33. What will the following code output?

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

* 1. true, 4, 11
  2. false, 4, 11
  3. true, 5, 11
  4. false, 4, 10

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

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

* 1. true, 3, 3
  2. false, 3, 4
  3. true, 2, 4
  4. 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);

* 1. true, 3, 7
  2. false, 2, 6
  3. true, 2, 7
  4. 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);

* 1. true, 3, 4
  2. false, 2, 4
  3. true, 3, 5
  4. 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);

* 1. true, 3, 8
  2. false, 4, 8
  3. true, 4, 9
  4. 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);

* 1. true, 9, 15
  2. false, 9, 14
  3. true, 10, 14
  4. 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);

* 1. true, 8, 13
  2. false, 8, 12
  3. true, 7, 13
  4. 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);

* 1. true, 6, 5
  2. false, 5, 5
  3. true, 5, 6
  4. false, 5, 7

**ANSWERS:**

**Here are the answers in bold for each question:**

**1. B) 6**

**2. A) 9**

**3. B) Increases the value by 1**

**4. A) 3**

**5. B) x++ increments after using it, while ++x increments before**

**6. B) 2**

**7. A) 1**

**8. C) 9**

**9. B) 15**

**10. C) Results in NaN**

**11. C) 10**

**12. A) 17**

**13. B) 22**

**14. B) 16**

**15. B) 1**

**16. C) -1**

**17. B) 5**

**18. B) --z**

**19. A) 13**

**20. A) 3**

**21. A) -1**

**22. B) 27**

**23. A) 7**

**24. A) 2**

**25. B) 31**

**26. C) true, 6, 10**

**27. A) true, 11, 4**

**28. B) false, 7, 3**

**29. A) true, 1, 4**

**30. A) true, 9, 21**

**31. C) true, 4, 2**

**32. B) true, 3, 8**

**33. A) true, 4, 11**

**34. A) true, 3, 3**

**35. A) true, 3, 7**

**36. B) false, 2, 4**

**37. A) true, 3, 8**

**38. B) false, 9, 14**

**39. C) true, 7, 13**

**40. A) true, 6, 5**

**Let me know if you need further clarification!**