**Task: non-primitive data types**

**js operators**

1. What is the result of 10 + '5'?

Ans: '105'

1. What is the value of x after x = 10; x += 5;?

Ans: 15

3. What is the result of 10 - null?

Ans: 10

4. What is the value of x after x = 10; x \*= 2;?

Ans: 20

5. What is the result of 10 / '2'?

Ans: 5

6. What is the result of 10 % 3?

Ans: 1

7. What is the value of x after x = 10; x = x \*\* 2;?

Ans: 100

8. What is the result of 10 > 5 && 5 < 10?

Ans: true

9. What is the result of 10 === '10'?

Ans: false

10. What is the result of null ?? 'default'?

Ans: 'default'

11. What is the result of 10 || 'default'?

Ans: 10

12. What is the result of !true?

Ans: false

13. What is the result of 10 & 5?

Ans: 0

14. What is the result of 10 | 5?

Ans: 15

15. What is the result of 10 ^ 5?

Ans: 15

1.What is the result of x = 10; y = ++x;? What are the values of x and y?  
Ans: x = 11, y = 11

2. What is the result of x = 10; y = x++;? What are the values of x and y?

Ans: x = 11, y = 10

3. What is the result of x = 10; console.log(++x);?

Ans: 11

4. What is the result of x = 10; console.log(x++);?

Ans: 10

5. What is the result of x = 10; y = --x;? What are the values of x and y?

Ans: x = 9, y = 9

6. What is the result of x = 10; y = x--;? What are the values of x and y?

Ans: x = 9, y = 10

Ternary Operators:

1. What is the result of x = 10; y = x > 5 ? 'yes' : 'no';? What is the value of y?

Ans: y = 'yes'

2. What is the result of x = 10; y = x > 5 ? 'yes' : x > 3 ? 'maybe' : 'no';? What is the value of y?

Ans: y = 'yes'

Optional Chaining:

1. What is the result of const obj = { a: { b: 'c' } }; console.log(obj?.a?.b);?

Ans: c

2. What is the result of const obj = { a: { b: 'c' } }; console.log(obj?.a?.c);?

Ans: undefined

3. What is the result of const obj = { a: { b: 'c' } }; console.log(obj?.b?.c);?

Ans: undefined

Nullish Coalescing:

1. What is the result of x = null; y = x ?? 'default';? What is the value of y?

Ans: y = 'default'

2. What is the result of x = undefined; y = x ?? 'default';? What is the value of y?

Ans: y = 'default'

3. What is the result of x = 0; y = x ?? 'default';? What is the value of y?

Ans: y = 0