Operators in Type Script

Operators:

Operators are symbols or keywords that perform operations on variables and values. TypeScript supports a variety of operators, which can be categorized into several groups. Some of the common types of operators in TypeScript are given below:

- 1. Arithmetic Operators
- 2. Comparison Operators
- 3. Logical Operators
- 4. Assignment Operators
- 5. Typeof Operator

Arithmetic Operators

- + (Addition)
- - (Subtraction)
- * (Multiplication)
- / (Division)
- % (Modulus)

```
Edit Selection View
                      Go Run
EXPLORER
                      ▼ Welcome
                                      TS operators.ts ×
OPERATOR
                      TS operators.ts > ...
                         1 // Arithmetic Operators
~$erator in Type Scri...
                             // • + (Addition)
Operator in Type Scri...
                                    - (Subtraction)
                             // •
                         3
JS operators.js
                         4
                             // •
                                     * (Multiplication)
TS operators.ts
                             // •
                                     / (Division)
                         5
                         6
                                    % (Modulus)
                         7
                             let a: number = 10;
                             let b: number = 5;
                         8
                        10 console.log(a+b); //15
                        console.log(a-b); //5
                        12 console.log(a*b)//50
                        13 console.log(a/b)//2
                        14
                             console.log(a%b);//0
```

Comparison Operators

- == (Equality)
- === (Strict Equality) It ensures that both the values and types are identical for the comparison to be considered true
- != (Inequality)
- !== (Strict Inequality) This operator is useful when you want to ensure both value and type differences in your comparison, similar to the way === ensures value and type equality.
- >(Greater than)
- < (Less than)
- >= (Greater than or equal to)
- <= (Less than or equal to)

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∠ Operator

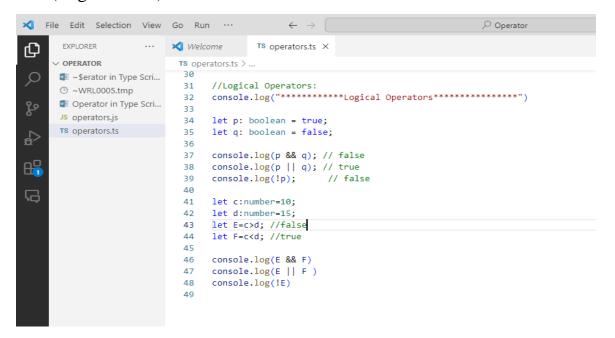
      EXPLORER

✓ Welcome

                                      TS operators.ts X
     ✓ OPERATOR
                         TS operators.ts > ...
      $\rightarrow$ \precess{serion} \rightarrow$ \rightarrow$ //Comparison Operators:
      19 let x: number = 5;
      JS operators.js
                         20 let y: number = 10;
      TS operators.ts
                         21
                          22 console.log(x == y); // false
                          23 console.log(x === y); // false
                          24 console.log(x != y); // true
                          25   console.log(x !== y); // true
                          26 console.log(x > y); // false
                          27 console.log(x < y); // true
品
                          28 console.log(x >= y); // false
                          29 console.log(x \le y); // true
```

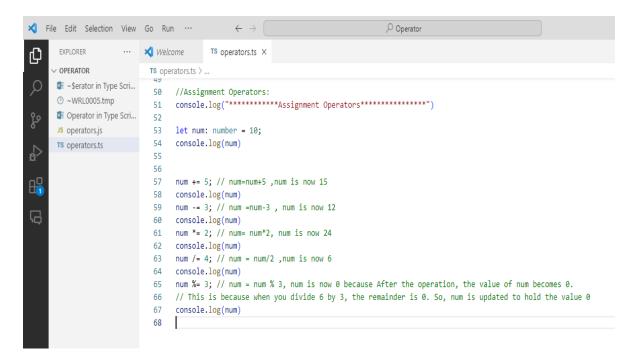
Logical Operators

- && (Logical AND)
- || (Logical OR)
- ! (Logical NOT)



Assignment Operators:

- = (Assignment)
- += (Add and assign)
- -= (Subtract and assign)
- *= (Multiply and assign)
- /= (Divide and assign)
- %= (Modulus and assign)



Typeof Operator:

typeof (Returns a string representing the type of a variable).

the typeof operator is used to obtain a string representation of the type of a variable or an expression. It returns a string that represents the data type of the given operand.

