**Write the Code for all Data types**

String.

let str= "Zia"

console.log(typeof str) // String

Number.

let num= 123

console.log(typeof num) // Number

Boolean.

let bool= true

console.log(typeof bool) // Boolean

Undefined.

let person

console.log(typeof person) // undefined

Null.

let person=null

Object.

let person ={name:"Ziya" , age:18}

console.log(typeof person); // object

**What are the uses of JavaScript Operators?**

Operators are used to assign values, compare values, perform arithmetic operations, and more.

JavaScript operators are symbols used to perform operations on variables and values. They allow you to manipulate and perform computations with variables and values in your code.

There are different types of JavaScript operators:

Arithmetic Operators.

Assignment Operations

Comparison Operations

Logical Operations

Unary Operations

String Concatenation

Conditional (Ternary) Operator

Typeof Operator

**Explain the Assignment Operator.**

The assignment operator = assigns the value of its right-hand operand to a variable, a property given by its left-hand operand. The result of an assignment expression is the value assigned to the left-hand operand.

All arthmetic operator in javascript with little example.

Addition (+)

let sum = 5 + 3;

console.log(sum); // Output: 8

Subtraction (-)

let difference = 10 - 4;

console.log(difference); // Output: 6

Multiplication (\*)

let product = 7 \* 2;

console.log(product); // Output: 14

Division (/)

let quotient = 20 / 5;

console.log(quotient); // Output: 4

Modulus (%)

let remainder = 15 % 4;

console.log(remainder); // Output: 3 (remainder of 15 divided by 4)

Exponentiation \*\*

let power = 2 \*\* 3;

console.log(power); // Output: 8 (2 raised to the power of 3)

Increment (++) and Decrement (--)

let x = 5;

x++;

console.log(x); // Output: 6

let y = 8;

y--;

console.log(y); // Output: 7

**What are the Binary Operators in js ?**

Binary operators in JavaScript are operators that operate on two operands. Here are some common binary operators in JavaScript.

1.Arithmetic Operators 2.Comparison Operators 3.Logical Operators 4.Assignment Operators 5.Bitwise Operators 6.String Concatenation

**Explain the Pre-Increment and Post Increment in js.**

1.Pre-Increment (++) In pre-increment, the value of the variable is incremented before its current value is used in an expression.

let x = 5;

let y = ++x;

console.log(x); // Output: 6

console.log(y); // Output: 6

2.Post-Increment (++)

let a = 10;

let b = a++;

console.log(a); // Output: 11

console.log(b); // Output: 10