```javascript
console.log("ahmed" + 20)   // "ahmed20"
console.log(20 + 30 + "10")   // "5010"
console.log("10" + 20 + 30)   // "102030" ❌
console.log(20 + 30 + "10")   // "5010" ✅
console.log("10" - 5)         // 5 (minus converts to number)
console.log("sara" - 5)       // NaN (Not a Number)
console.log(true == 1)    // true
console.log(false == 0)   // true
console.log(12 + true)    // 13 (true = 1)
console.log(12 + false)   // 12 (false = 0)

// == Loose Equality (compares value only)
console.log(8 == "8")     // true
console.log(1 == true)    // true

// === Strict Equality (compares value and type)
console.log(8 === "8")    // false
console.log(1 === true)   // false

console.log(null == undefined)   // true (special case)
console.log(null === undefined)  // false (different types)
console.log([] == [])            // false (different objects)
console.log(NaN === NaN)         // false (NaN ≠ anything, even itself!)

// null in operations
console.log(null + null)     // 0
console.log(null + 0)        // 0
console.log(20 + null)       // 20

// undefined in operations
console.log(undefined + undefined) // NaN
console.log(undefined + 5)         // NaN

// NaN in operations
console.log("sara" - 40)     // NaN
console.log("50" - 40)       // 10 (minus converts)
console.log(1 - NaN)         // NaN
console.log(40 - true)       // 39

// Check for NaN
console.log(Number.isNaN("sara" - 7))  // true ✅
console.log(Number.isNaN(123))         // false
```

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