1. **console.log("100"-2); //inside console there is one value string and another one is number then, how final output is showing in number?**

**output: 98** //number

**=>Here's what happens step-by-step:**

1. The - operator in JavaScript triggers a **type conversion** when one of the operands is not a number.
2. JavaScript converts the string "100" to a number (100) because subtraction is a mathematical operation that only makes sense for numbers.
3. The result of 100 - 2 is then calculated as 98.

**=>Key Points:**

* The - operator forces the string "100" to be converted to a number.
* If "100" couldn't be converted to a valid number (e.g., if it were "hello" - 2), the result would be NaN (Not a Number).

**=>Comparison with + Operator:**

If you had used the + operator instead, the behavior would be different because + is both the addition operator and the string concatenation operator:

**console.log("100" + 2); // Output: "1002" (string concatenation happens)**

**Hints:-**

**🡪(“100” + 2) = “1002” =>In javascript (string + string = string).how means, three is one value string and another value in number so, here ‘+’ act as a concatenation.**

**vs**

**🡪(“100” - 2) = 98 (number) =>here, why it’s showing output in number means, subtract operator converts string into number. how it’s possible because inside Double Quote there is number**

**🡪(“hello” - 2) = NaN =>here, why it’s showing output NaN means, subtract operator can’t converts string into number. because inside Double Quote there is String.**

**🡪(“100” / 2) = 50 (number) =>here, why it’s showing output in number means, Division operator converts string into number. how it’s possible because inside Double Quote there is number.**

**🡪(“100” \* 2) = 200 (number) =>here, why it’s showing output in number means, Multiplication operator converts string into number. how it’s possible because inside Double Quote there is number.**

**🡪(“100” % 2) = 0 (number) =>here, why it’s showing output in number means, Modulus operator converts string into number. how it’s possible because inside Double Quote there is number**