

Implicit and Explicit Conversion

Implicit Type Conversion (Type Coercion)

1. Automatic Conversion in Arithmetic Operations:

- Write examples where JavaScript implicitly converts data types in arithmetic operations.
- Explain the result of each operation.

2. Comparison Operators:

- Provide examples of how JavaScript uses implicit conversion when comparing different types using == and ===.

Boolean Coercion in Conditionals:

- Write examples where JavaScript implicitly converts values to boolean in conditional statements (if, while, etc.).
- List values that are considered "falsy" in JavaScript

Explicit Type Conversion

1. Converting to String:

- Demonstrate how to explicitly convert various data types to a string using String() and .toString().
- Show the difference between the two methods, if any.

2. Converting to Number:

- Write examples to convert different data types (string, boolean, etc.) to numbers using Number(), parseInt(), and parseFloat().
- Explain the difference between Number() and the other two methods.

3. Converting to Boolean:

- Show how to explicitly convert different data types to boolean using Boolean() function.
- Provide examples of truthy and falsy values.