

Directly there is no data types
Explicitly

Implicitly/Indirectly there are data types.

Data Types

{ INDIRECT /
INTERNALLY

Value type / Primitive type /
IMMUTABLE Type

Reference Type /
Mutable Type

- ① undefined → empty value
 - ② number → Digits, decimal, ...
 - ③ string → ' ' , " "
 - ④ boolean → true, false
 - ⑤ BigInt → 10m
 - ⑥ null
 - ⑦ Symbol
- ES2020, ES11

- ① Array []
- ② Object literal { }
- ③ Functions
- ④

2015
ES6
true → 1

false → 0

Type Casting | T. Conversion | Type Cohesion
when one type gets converted into another type.

Implicit
Type Conversion

Explicit T.C ✓

$$N + S = S$$

$$S + N = S$$

$$N + N = N$$

$$S + S = S$$

$$B + B = N$$

true + 100
101
number

$$N + N = N$$

$$B + N = N$$

$$W + B = N$$

**BigInt + number
= Type Error**

101
number

true + true
2

String Interpolation

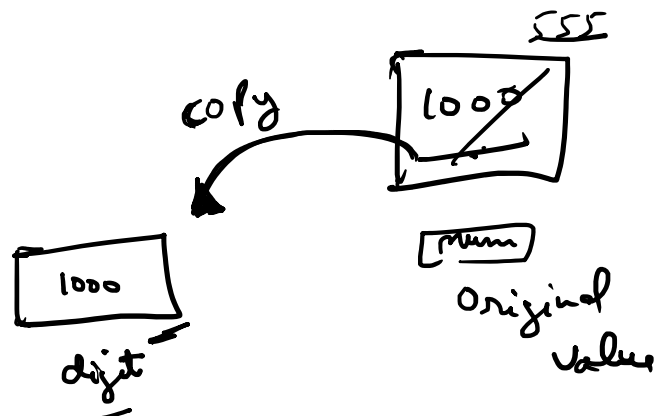
(ES 6) 2015

var num = 1000;

var digit = num;

value type.

Immutability



① when changes done in original values, does not affect copied values.

② when changes done in copied values, does not affect original values.

var arr = []

INDEX

0
1
2
3