

Data Types

⇒ Primitive Data Types

↳ Inbuilt datatypes

↳ C / C++ data types

- Integral

- Int
- Char

- Bool

- Floating point

- Float
- Double

⇒ Userdefined

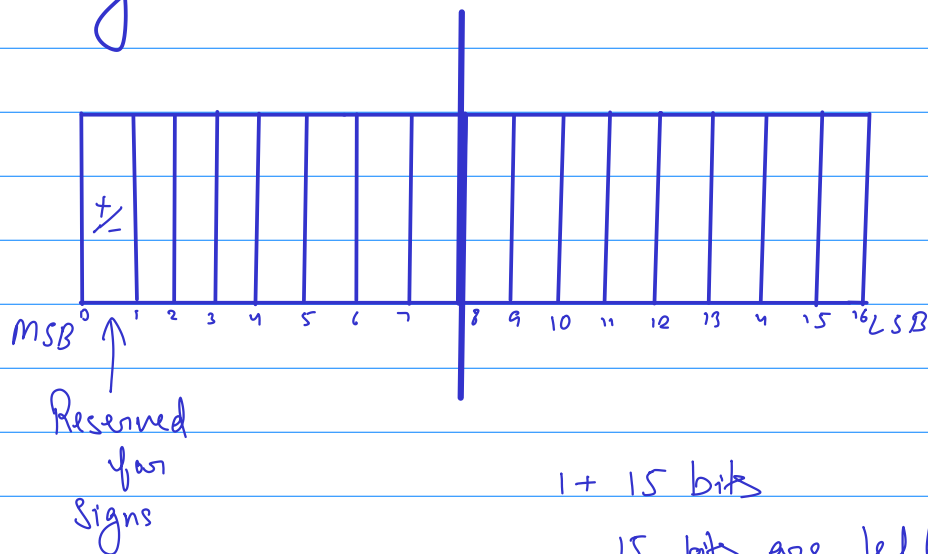
- Enum
- Structure
- Union
- Class

⇒ Derived

- Array
- Pointers

- Reference

⇒ Integer



1 + 15 bits

15 bits are left for storing numbers

MSB = Most Significant Bit.
LSB = Least Significant Bit.

$$2^{15} = 32768$$

Data Type	Size	Range
int	2 or 4	-32768 to 32767
float	4	-3.4×10^{38} to 3.4×10^{38}
double	8	-1.7×10^{308} to 1.7×10^{308}
char	1	-128 to 127
bool	undefined	true/false

