⬜ Data Type

A **data type** specifies the **type of data** a variable can store.
It tells the computer **how much memory** to allocate and **what operations** can be performed on the data.

Types of Data Types (Java)

1.Primitive Data Types

Used to store simple values.

Data Type	Size	Example
int	4 bytes	int a = 10;
float	4 bytes	float f = 2.5f;
double	8 bytes	double d = 5.25;
char	2 bytes	char c = 'A';
boolean	1 bit	boolean b = true;

2.Non-Primitive Data Types

Used to store **complex data**.

- String
- Arrays
- Classes
- Objects
- Interfaces

Example:

String name = "Java";