

Java Data Types – Stylish Summary

Type	Size	Default	Range / Notes
byte	1 byte	0	−128 to +127
short	2 bytes	0	−32,768 to +32,767
int	4 bytes	0	−2,147,483,648 to +2,147,483,647
long	8 bytes	0L	Must end with L
float	4 bytes	0.0f	Must end with f
double	8 bytes	0.0	Default decimal type
char	2 bytes	'\u0000'	Unicode character
boolean	JVM dependent	false	true / false

Widening (Automatic):

byte → short → int → long → float → double

Narrowing (Manual):

double → float → long → int → short → byte

Important Suffixes:

long → L, float → f

Note:

String is immutable. Integer division $5/2 = 2$.

Quick Info on byte:

Size: 1 byte, Range: −128 to +127, Default: 0, Memory efficient.