

2-2 Data Types

	Type	Storage	Example values	Range of values
Primitive	boolean	1 bit	True, false	true or false
	byte	1 byte	3, -8, 0	-128 → 127
	short	2 bytes	-30000, 28	-32768 → 32767
	int	4 bytes	89, -945, 37865	-2,147,483,648 → 2,147,483,647
	long	8 bytes	89L, -945L, 5123567876L	-9223372036854775808 → 9223372036854775807
	float	4 bytes	89.5f, -32.5f	-3.4E38 → 3.4E38 with 7 significant digits accuracy
	double	8 bytes	89.5, -32.5, 87.6E45	-1.7E308 → 1.7E308 with 15 significant digits accuracy
	char	2 byte	'c', '9', 't'	Unicode Characters
Object	String	See later	"This is a string"	Unlimited number of Unicode characters