

Data types are sets.

# Primitive Data Types

A primitive data type is one that is inherent or “built in” to the language.

Logic, Character, Numeric

Type	Contains	Default	Size	Range
boolean	true or false	false	1 bit	NA
char	Unicode character	\u0000	16 bits	\u0000 to \uFFFF
byte	Signed integer	0	8 bits	-128 to 127
short	Signed integer	0	16 bits	-32768 to 32767
int	Signed integer	0	32 bits	-2147483648 to 2147483647
long	Signed integer	0	64 bits	-9223372036854775808 to 9223372036854775807
float	IEEE 754 floating point	0.0	32 bits	$\pm 1.4E-45$ to $\pm 3.4028235E+38$
double	IEEE 754 floating point	0.0	64 bits	$\pm 4.9E-324$ to $\pm 1.7976931348623157E+308$