

# Data types and Algebraic expressions

Yash Herekar

void	0	null
bool/boolean	1	True/False
char	1	-128 to +127
unsigned char	1	0 to 255
byte	1	0 to 255
int	2	-32,768 to 32,767
unsigned int	2	0 to 65,535
word	2	0 to 65,535
long	4	-2,147,483,648 to 2,147,483,647
unsigned long	4	0 to 4,294,967,295
float	4	-3.4028235E+38 to 3.4028235E+38

Associativity	Operator	Function	Use
Right	!	logical NOT	! expr
Left	<	less than	expr < expr
Left	<=	less than or equal	expr <= expr
Left	>	greater than	expr > expr
Left	>=	greater than or equal	expr >= expr
Left	==	equality	expr == expr
Left	!=	inequality	expr != expr
Left	&&	logical AND	expr && expr
Left		logical OR	expr    expr