

Data Types

Data type		Examples			Description
Character	char()	G	6	&	Stores only one character
String	str()	Apple	20 School Close	01494 782066	Stores a string of characters
Integer	int()	5	5672	4003	Stores only whole numbers. Removes anything after the decimal.
Float	float()	5.32	5672.67		Uses 4 bytes (32 bits) for storage. It can store numbers up to seven decimal places
Real	real()	3.1415926535 8979323846			Uses 8 bytes (64 bits) for storage. It can store up to fifteen decimal places
Boolean	bool()	TRUE	FALSE		In terms of a number, FALSE = 0, and TRUE= 1
Casting		total = int(sales) + float(vat)			Changes data type. e.g in this example <i>sales</i> is converted into integer and <i>VAT</i> is converted into float.

Operator	Result	Purpose
6+3	9	Adds
6-2	4	Subtracts
6*2	12	Multiplies
6**2	36	To the power
6^2		
21/5	4.2	Divides
21//5	4	Result of division in whole number
21 DIV 5		
21%5	1	Remainder of division
21 MOD 5		