## Numerical Variable Types

| Variable Type | Description | Minimum value | Maximum value | Best used for |
|---|---|---|---|---|
| int | Basic integer variable | | | |
| long | Large integer variable | | | |
| unsigned int | Variable to store positive integer values, including zero | | | |
| unsigned long | Variable to store large positive integer values, including zero | | | |
| float | Variable to store fractional values stored with a mantissa and exponent, like scientific notation | | | |
| double | Same as float on Arduino UNO. For more advanced microcontroller boards, and in other programming systems, (MATLAB, C and Fortran) a double variable has much larger range and precision than a float variable. | | | |