# Functions

**twinkle() # default speed and with LEDs white**

**twinkle( color ) # default speed with custom color**

**draw(x, y); # draw color at (x, y) (default color = white)**

**draw(x, y, color); # Draw color at (x, y)**

**write( “TEST” ); # Display string of characters**

**color(r, g, b); # Returns a color, r/g/b values between 0 and 255**

**clear(); # Turn all LEDs off**

**wait(); # default time = 1 sec**

**wait( time ) # in seconds**

# Built-in Color Constants

**red**

**pink**

**green**

**blue**

**yellow**

**orange**

**off**

# Examples

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| **a = 1;**  **if(a) {**  **letter(“a”);**  **}** |
| **a = 1;**  **if(a)**  **letter(“a”);** |
| **i = 0;**  **while(i < 5) {**  **draw(i, 0);**  **}** |
| **i = 0;**  **while(i < 5)**  **draw(i, 0);** |
| **i = 0;**  **j = 0;**  **while(i < 5) {**  **while(j < 5) {**  **if(i == j)**  **draw(i, j);**  **}**  **}** |
| **twinkle(green)** |
| **write(“MyName”)** |