

7-3 Assignment: Parts of Arduinos

Make a copy of this assignment to your drive. Construct a circuit/program with your Arduino to accomplish each task below. All circuits should use a breadboard.

1. Get 1 LED to blink slowly in a simple circuit.

(Copy & Paste Program Code here)

(Place a picture/screenshot of your circuit here)

2. Get 1 LEDs to blink quickly in a simple circuit.

(Copy & Paste Program Code here)

3. Get 2 LEDs to blink at the same time in a series circuit.

(Place a picture/screenshot of your circuit here)

4. Get 4 or more LEDs to blink at the same time in a parallel circuit. Arrange them on your breadboard to be in a particular shape. (circle, square,...)

(Copy & Paste Program Code here)

(Place a picture/screenshot of your circuit here)

5. Get 2 LEDs to blink opposite. At no point should both LEDs be on. At no point should both LEDs be off. This is the main challenge of your assignment.

(Copy & Paste Program Code here)

(Place a picture/screenshot of your circuit here)