CODE TO NOTE

DIGITAL OUTPUT:

```
digitalWrite(D13, HIGH);
```

When you're using a pin as an `OUTPUT`, you can command it to be HIGH (output 5 volts) or LOW (output 0 volts).

DELAY:

```
delay(2000);
```

Causes the program to wait on this line of code for the amount of time in between the brackets, represented in milliseconds (2000ms = 2s). After the time has passed, the program will continue to the next line of code.

COMMENTS:

```
//This is a comment

/* So is this */
```

Comments are a great way to leave notes in your code explaining why you wrote it the way you did. Single line comments use two forward slashes `//`, while multi-line comments start with a `/*` and end with a `*/`.

NEW IDEAS

CODING CHALLENGES: The Coding Challenges section is where you will find suggestions for changes to the circuit or code that will make the circuit more challenging. If you feel underwhelmed by the tasks in each circuit, visit the Coding Challenges section to push yourself to the next level.

CODING CHALLENGES

PERSISTENCE OF VISION: Computer screens, movies and the lights in your house all flicker so quickly that they appear to be on all of the time but are actually blinking faster than the human eye can detect. See how much you can decrease the delay time in your program before the light appears to be on all the time but is still blinking.

MORSE CODE: Try adding and changing the `delay()` values and adding more `digitalWrite()` commands to make your program blink a message in Morse code.

TROUBLESHOOTING

I get an error when uploading my code

The most likely cause is that you have the wrong board selected in the Arduino IDE. Make sure you have selected **Tools > Board > Arduino/Genuino Uno.**