Exercise 7: Reading an ASCII-encoded string

Equipment

For this exercise you will need:

- 1 x Arduino Uno
- 1 x RGB LED
- 3 x Resistors $\sim 60 - 220\Omega$
- Wires

Use **shift+Tab** to remove indentation of all selected lines

Reading

Chapter 6

Setup

- The longest leg of the RGB LED is the common ground of the three LEDs. Connect this leg to ground.
- The other three legs must be connected to an output pin through a resistor.

Questions & Exercises

7a: What is an RGB value? Why does it use the interval 0-255?
7b: What does the function Serial.parseInt() do ?
7c: Parse values from the serial monitor

- Send a string of three comma separated values from the serial monitor e.g. *200,100,40*
- Read these values as integers (not a string), you can use Serial.parseInt()

7d: Use the values the fade the RGB LED.