Array Challenges Part 3

# The Rainbow Ripple Challenge

Change your ripple animation from the last assignment so that each ripple is a different colour, selected from an array of colours. You can do it by cycling through the array, or by picking a random colour from it for each ripple.

If you didn’t get that animation to work in the last assignment, you can use the file\* *Rainbow Ripple Challenge.py* to get started.

\*And no fair turning in that file as your “late” submission for the last assignment. I’ll be checking for this.

# The Traffic Light Challenge

Make an animation of a green circular light bulb that flashes on and off. You can change the frequency of the flashing by changing the duration of the sleep between frames.

Next, change the program so that the bulb alternates between green, yellow and red.

Next, change that program so that it animates a traffic light that has three different light bulbs that are stacked vertically. When one bulb is on, the other two should be off. For example, when the red light bulb is on, the yellow and green bulbs should be off.