

Challenge 1

white		rgb(255, 255, 255)
black		rgb(0, 0, 0)
red		rgb(255, 0, 0)
lime		rgb(0, 255, 0)
blue		rgb(0, 0, 255)
yellow		rgb(255, 255, 0)
brown		rgb(150, 70, 0)

Turn your lights green

Challenge 2

2A: Turn all lights on with motion

2B: Set the lights to turn off after 2 minutes with no motion

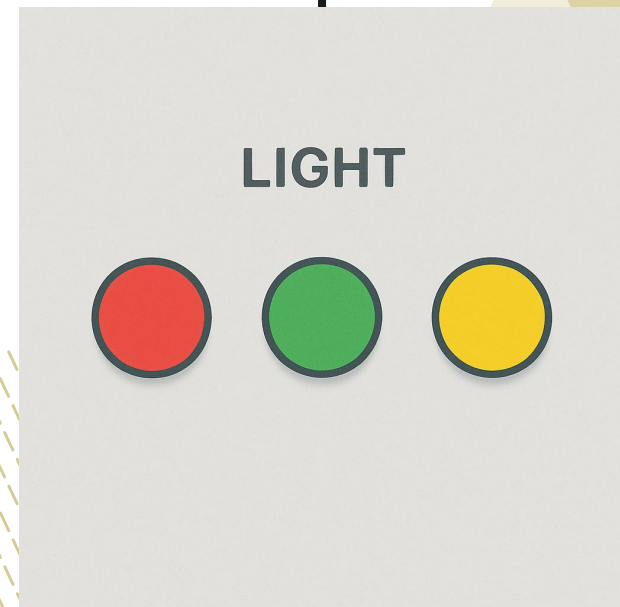


Challenge 3

3A: Set one of your physical buttons so it changes the light colour to red

3B: Use a physical button to turn all the lights off and another to turn them on

3C: Use a physical button to change the lights to random colours



Challenge 4

4A: Change the Brightness of the lights with your rotation sensor

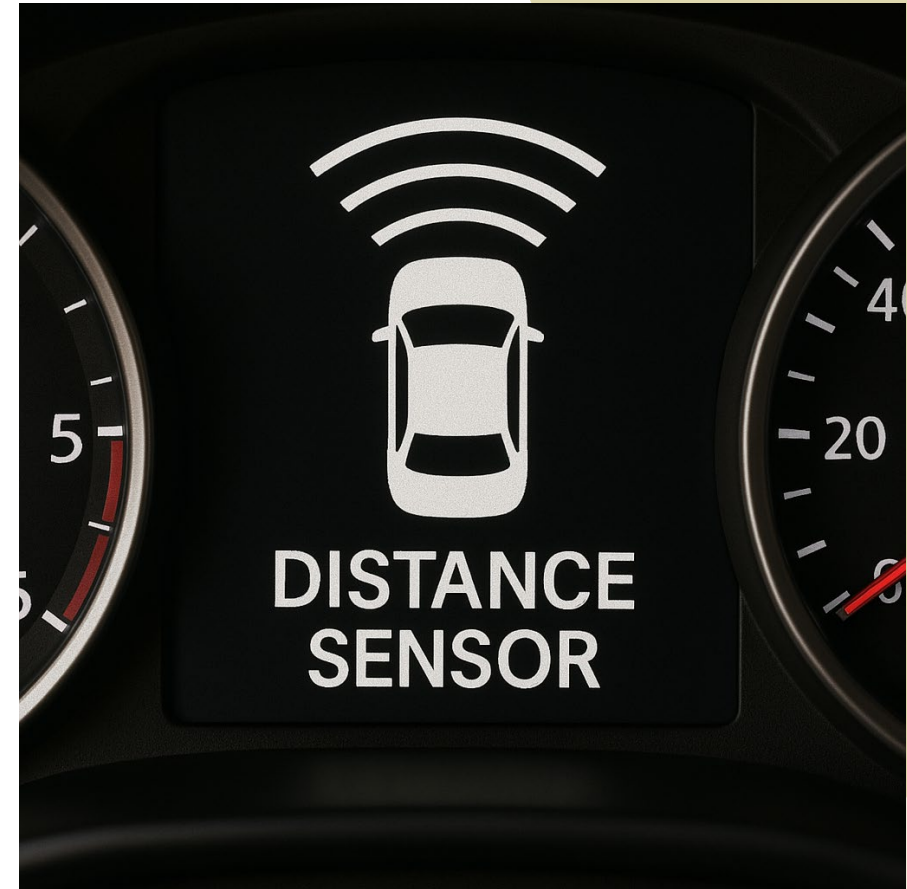
4B: Change the Brightness of the lights with the Wall Light Sensor



Challenge 5

5A: Use the distance sensor to turn the lights red

5B: Make the distance sensor flash the lights if something is too close



Challenge 6

6A: Adjust light colour temperature
pink for cold and orange for warm

6B: Adjust the lights based on the
temperature of Darwin

