

1. Write a program that runs both motors forward at full speed for three (3) seconds when you wave your hand in front of the Ultrasonic Rangefinder; Reverse both motors at half speed when you shine your cellphone flashlight over the light sensor. Stop all motors and turn on the flashlight for two (2) seconds then end the program when you waive your hand in front of the Ultrasonic Rangefinder again.
2. Write a program that turns on the flashlight when it is dark and off when it is light out.