1. Write a program that runs the right motor forward at full speed when the bump switch is pressed. Then when the limit switch is triggered, reverse the right motor at full speed. When the bump switch is pressed, turn on the LED for one second then end the program.

2. Write a program that runs both motors forward at half speed when the bump switch is pressed. Then when the limit switch is triggered, stop the right motor and reverse the left motor at full speed. When the bump switch is pressed again, stop all motors, flash the LED twice for one second each time and end the program.