**ESE 124: Homework Week 4**

1. Extend the scanner program discussed in class in the following way:
   1. **Accept integer and decimal numbers with or without sign: 34.567 +3.45 -89.567**
   2. Add following keywords: set, alarm, move, left, right, forward, backward, red, blue, green DONE
   3. Operators: + - / \* (DONE) <= >= ++ -- += -= //x = fgetc( f ); get next DONE
   4. Special characters , : ? DONE
   5. The scanner output should be saved in a file DONE
   6. Test your program for enough test cases to be confident that your program is correct. How do you build such a set of test cases? Submit the test cases together with your scanner program in C.

Test Cases: