

## **Q530 Homework 5: C Programming**

**Due date: 7<sup>th</sup> November, midnight**

1. Implement a simple calculator that can perform addition, subtraction, multiplication, division and modulus operators. The calculator can accept the input string, such as “101+125”, and output the result.  
(Bonus) add the feature to deal with negative numbers.
2. Write a pointer versions of the function strcat() in which one string is copied to the end of the other string.
3. Write a function expand(s1,s2) that expands shorthand notations like a-z in the string s1 into the equivalent complete list abcdef...xyz in s2. Allow for letters of either case and digits, and be prepared to handle cases like a-z0-9.