Lab Exercise 5

1) Write a program that takes a string s and a number k as input and outputs a string where each letter in s is repeated k times. For example,

>./stutter

  Enter a string: hello

  Enter a number: 3

  Stuttered word: hhheeelllooo

2) Write a program that reads an integer value from standard input and results in the following input/output behaviour. (Try to use sequence, mapM)

>./table

  Give a number: 3
  1 * 3 = 3
  2 * 3 = 6
  3 * 3 = 9
  ...
  10 * 3 = 30
  Goodbye

3) Write an interactive program that takes an arithmetic expression in postfix notation separated by spaces and outputs the value of the expression.

 >./calculator

  2 3 * 5 4 - +

  7

  25 5 - 10 *

  200