# Northeastern University

ETC2103 – Homework 5

Consider the sequence of **Fibonacci numbers,** 1, 1, 2, 3, 5, 8, 13, 21, 34, *55, . .* which begins with two I's and in which each number thereafter is the sum of the two preceding numbers. This infinite sequence is defined recursively as

f1 = 1

f2 =1

For n > 2, fn = fn-1 + fn-2

where *fn* denotes the nth term in the sequence.

Write a program that prints the Fibonocci sequence, using recursion, for a specific number of terms in the sequence. For example, if the program prompts for the number of terms in the sequence, and the user types in 5, the sequence displayed will be

1 1 2 3 5