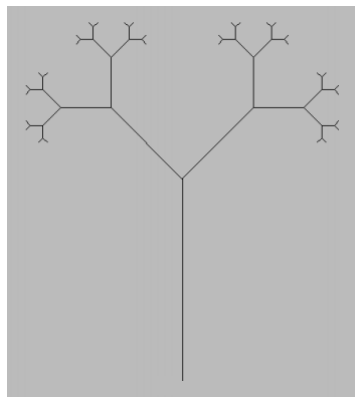


## COMP500 / ENSE501: Week 12 – Exercise:

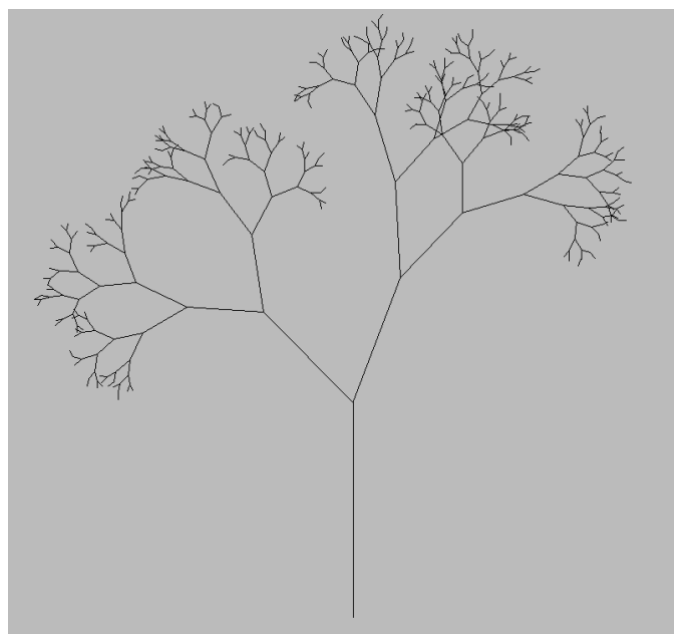
### EXERCISE NAME: *Your Fractal*

Implement your own fractal drawing. You can make your fractal more interesting by varying shape, colour and scale as you recurse, and by introducing some degree of randomness.

For example, some trees and plants have a fractal shape consisting of a stalk with two branches as shown below:



By varying the angle, length and number of these somewhat at random, the image can be made to look more natural, as shown:



Write a GDI program that draws a fractal of your own design, using a recursive algorithm.

Ensure your source code compiles and follows good programming standards. Ensure your program is well tested.