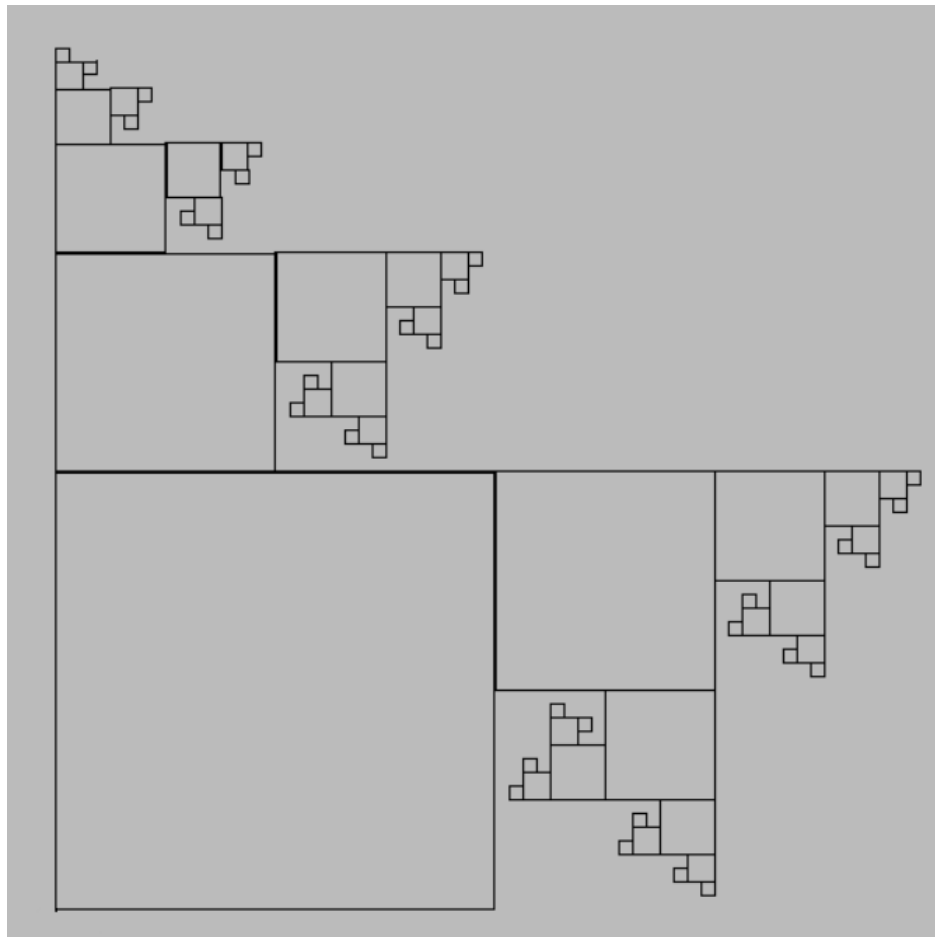


COMP500 / ENSE501: Week 12 – Exercise:

EXERCISE NAME: *Box Fractal*

A fractal is a shape that contains a repeating shape at different scales. Below is a screenshot of a simple fractal:



Fractals are good candidates for recursive algorithms, because the problem of drawing them overall has as a sub-problem drawing them at a smaller scale. Of course for such algorithms to terminate there must be a smallest size below which we stop drawing the fractal – the size of the smallest box in the image.

Write a GDI program that draws the figure shown above using a recursive algorithm. Note that the boxes decrease in size by half each time, and the smallest boxes have sides of length 8.

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