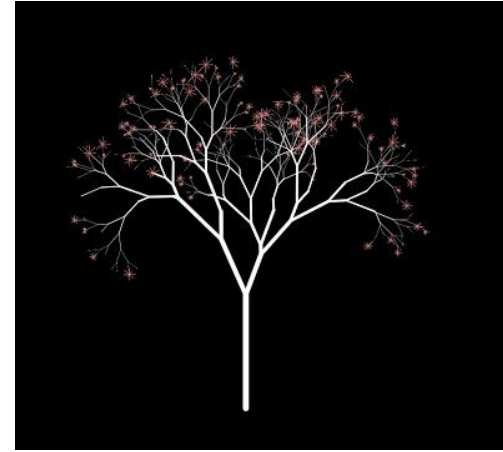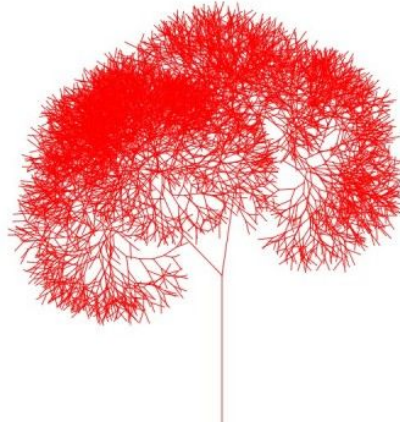# Round Table Presentation

Creative Coding - Final project
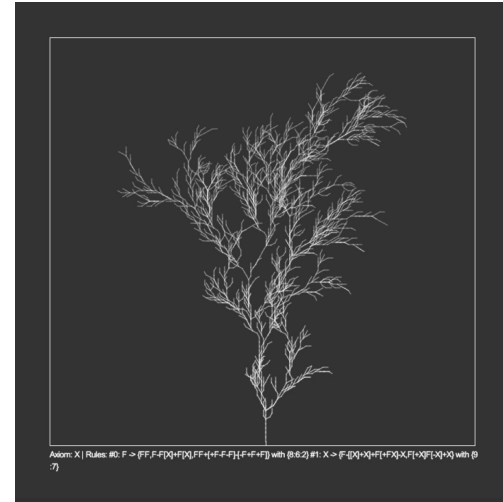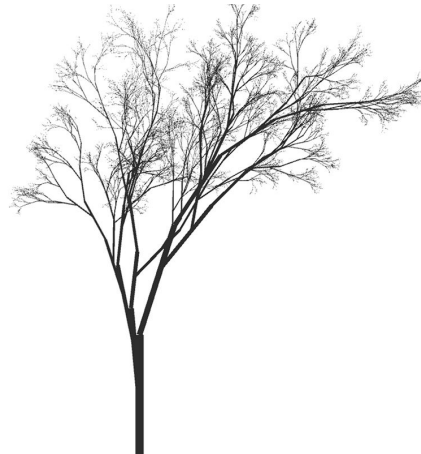
Idea 1: tree generator

Interactivity: on click

Other parameters: date, etc. (for example, change depending on the season or month)

- https://www.openprocessing.org/curation/19/
- https://www.openprocessing.org/sketch/205214
- https://learning-ruby-processing.blogspot.com/2010/04/simple-tree-using-affine-transforms.html
- https://g-e-n-a-r-t.com/en/post.php?p=10
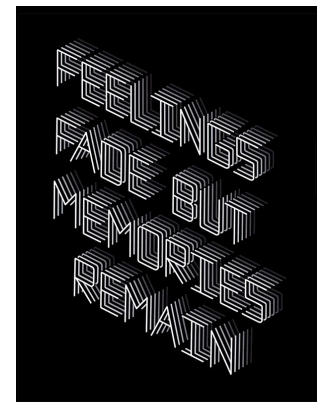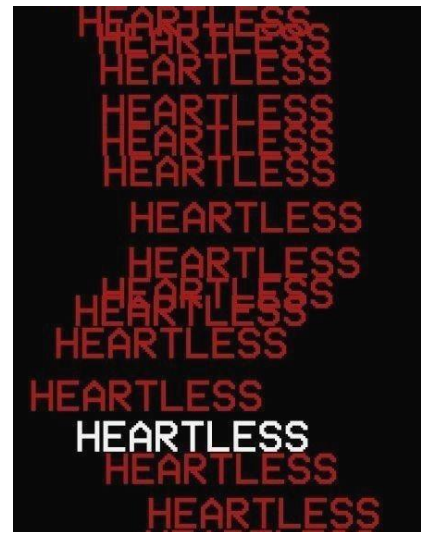- https://creative-lab.herokuapp.com/3d-recursive-tree/
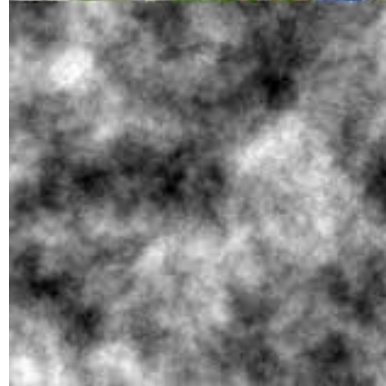
Idea 2: text transformation

User input: typing

Clicking changes the type of transformation

- https://www.openprocessing.org/sketch/982547
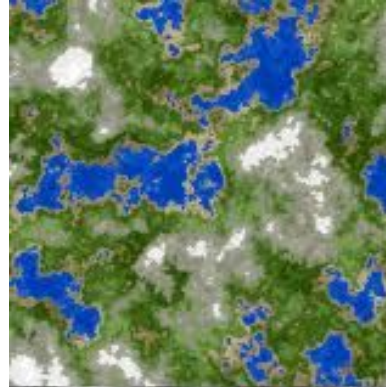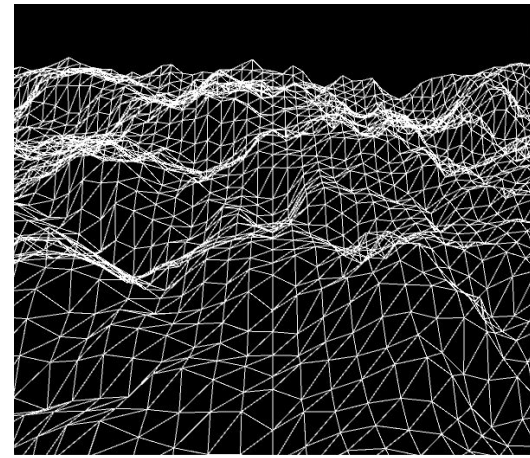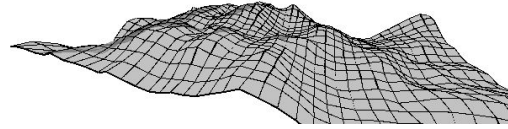- https://www.openprocessing.org/sketch/1004406
- Tom Phillips

Idea 3: map generator

Making a grid where the vertices are transformed using perlin noise (+ color-coding based on the height of these vertices)

The noise (frequency) is a parameter that the user can control

- https://www.reddit.com/r/Python/comments/e3jfnn/i_made_a_hexagon_map_generator_with_python/
- https://www.redblobgames.com/maps/terrain-from-noise/
- https://discourse.processing.org/t/perlin-noise-map/839/7
- https://www.redblobgames.com/articles/noise/introduction.html
- https://thecodingtrain.com/CodingChallenges/011-perlinnoiseterrain.html
- https://www.youtube.com/watch?v=IKB1hWWedMk