MandelbrArt

> This is a **pair** exercise and must be competed in your **tutorial** or **lab** with your partner.

You've created your Mandelbrot server, you've got the technical side of things working… now it's time to actually **use** your code, and to exercise your aesethetic senses.

Find/create the most beautiful colored tile from the Mandelbrot set that you can. Submit your pixelColor.c file from the Mandelbrot activity AND also the file xanadu.h (sample below) which defines the x y and z coordinates for your tile.

```
/*
 * xanadu.h
 * Defines the centre of your beautiful colored tile image of the
 * Mandelbrot set.
 * Team members names here:
 * Your description here:
 */


// Replace these three values with your own chosen numbers
#define CENTER_X 1.0
#define CENTER_Y 0.0
#define ZOOM 9
```

We'll regenerate the tile using your code, and display them in the MandelbrArt Gallery (coming soon to a course website near you!).

Don't forget to also submit your pixelColor.c, so that we can re-generate the tile using your color scheme.

To run Styl-o-matic:

```
$ 1511 stylomatic xanadu.h pixelColor.c
Looks good!
```

You'll get advice if you need to make changes to your code.

Submit your work with the *give* command, like so:

```
$ give cs1511 wk08_mandelbrotBeauty xanadu.h pixelColor.c
```

Or, if you are working from home, upload the relevant file(s) to the `wk08_mandelbrotBeauty` activity on Give Online.