Homework 4: cython

Due date: Friday April 26 2019, 11:59pm (this is firm, no late acceptance)

Create the files in a folder with your firstname and zip it and then upload to canvas:
Use cython to speed up the mandelbrot set, use the zipped up code supplied with the lab.

1. Cythonize the existing file (if this does not work on your computer use the departmental computers it will work there)

2. Report the time

3. Improve the mandelbrot.pyx file as much as you can to improve the speed, this may need multiple tries and improvements, send us your best.

4. cythonize your result and report the time and the ratio of original time / best time in a README text file (for reference: with a little tinkering I get 10x speedup)

5. zip up the directory and upload to canvas.