

# CSC104 tutorial exercises #6

## best before Wednesday, October 23rd

This week you'll learn about how to deconstruct images into dimensions and lists of colours, and then reassemble them into new images. **Note:** last semester, some students found this tutorial a bit challenging, so you may want to begin it early, so that you can ask the instructor and TAs questions before the quiz.

Ask your instructor (me) or your TA about anything that stumps you. It may be possible to complete all the tasks on your own, well before Wednesday's tutorial. Here are your tasks:

1. Make sure that you have easy access to a computer running DrRacket, either your own machine or a workstation at CDF.
2. Watch the racket video on how to **decompose and reconstruct images** with DrRacket open on your own machine to try things out. Try the exercises listed after the video.
3. You may also want to review the video on using **map**, since map-image is very similar, as well as **struct**, since color is a struct.

To help you complete your assignment, course TAs will be in computer labs BA3175, BA3185, BA3195, and BA2220 on Wednesday from 8:10 p.m. to 8:45 to answer questions. If you have a laptop with DrRacket on it, you may also ask me questions before and (briefly) after lecture. You may ask any of our TAs, not just the one for your section, for help. At 8:45, you will move to your own tutorial room (see the chart below) to write a brief quiz, closely based on the videos.

Resources you may find useful:

**My office hour:** Thursdays 2–3 pm, in BA4270 (Bahen 4270)

**Your tutorial:** Select Wednesdays 8:10. **Tutorials start in BA3175–BA3195** at 8:10, and then move to individual tutorial rooms for a quiz in the last 10 minutes. Tutorial sections are as follows:

Surname	Room	TA
Abdel-Deng	BA3008	Shems
Ding-Khaybullina	BA3012	Brent
Kim-Luke	BA2159	Oscar
Ma-Shamrock	BA2165	Ryan
Shemet-Wolfgramm	BA2175	Siamak
Wu-Z	BA2195	Nahla

**DCS Help Centre:** Monday–Thursday, 4–6 pm in BA2230, see [Help Centre page](#).