Exercises 2 – 5 are programming problems. Submit them in a single file named `a06.rkt` electronically per the instructions for your course.

1. Study Hailperin, Sections 7.1, 7.2, 7.3, 7.4, 7.5.

2. Do Hailperin, Exercise 7.8(f).
   Name your function `largest-in` with one parameter. If the list is empty, print an error message using the display function, not the error function. Your program should not crash if the list is empty.

3. Do Hailperin, Exercise 7.9(a).
   Return `#f` if the lists are not the same size and `#t` if they are both empty. Be sure to name your function `list-<` as specified by the problem.

   Name your function `my-map`.

5. Do Hailperin, Exercise 7.42.