

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.
4. Do Hailperin, Exercise 7.14.
Name your function `my-map`.
5. Do Hailperin, Exercise 7.42.