

Programming in Lisp
Lecture #4: Class Activity

Name:

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1. Write a function to convert a list into an array, using iteration.

2. Write a function to return the length of a list in symbols, i.e. (our-length '(1 2 3)) should return 'THREE. Only handle lists up to size 5; above that, return 'BIG. Make sure the argument is a list.

3. Define a function that takes two required arguments and one keyword parameter. The keyword parameter should be a function to apply to the other two arguments. Have it default to `+`. *Hint: The macro **funcall** takes its first parameter, a function, and calls it with **funcall**'s remaining arguments (Graham, 25).* Show an example of adding 5 and 7. Show an example of creating a list of 5 and 7.

4. (Graham 7.6). Define a function that takes one argument, a number, and returns the greatest argument passed to it so far.