

# Recursion

CSE 114 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING

## Announcements

Today: Recursion

Reading assignment for this slide set: the lecture notes

- Recommended additional reading Liang, Chapter 18

## Recursion

A *recursive function*:

- Makes one or more calls to itself (recursive calls)
- Has a base case where the recursive call(s) end(s)
- The value of at least one of the parameters is moving towards the base case, so that recursion can eventually terminate.

See [ReadnRec.java](#)

See [Recur.java](#)

See [Palindrome.java](#)

See [BinSearch.java](#), [Search.java](#), [ArrayTools.java](#)