

# Recursion

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CSE 114 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING



# Announcements

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Today: Recursion

Reading assignment for this slide set: the lecture notes

- Recommended additional reading Liang, Chapter 18

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*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](#)