

# Recursion

---

CSE 114 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING



# Announcements

---

## Assignment 10:

- Will be posted today after class
- Due: 4-Jun-2024 11:59 PM

## Final:

- 10-Jun-2024: 12:30 – 3:00 PM – C103

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