

# CS367 Lecture 12

Thursday 3 July 2014

## Announcements/Reminders:

- P2 and HW3 assigned – see due dates
- HW1 grades and solutions
- See readings.

## Last class:

- Stacks and Queues
  - Intro
  - Implementations and Complexity
  - Applications

## Today:

- Stacks and Queues (finish)
  - Applications (cont'd)
  - `findMax`
  - Sliding Window and Subsequence-sum Problems

## Using Stacks and Queues: Some Applications

**Balanced parentheses:**

**Infix to Postfix and its Evaluation:**

Notation:

Example:

## Simulating a Queue with Two Stacks

## The `findMax` Operation on Stacks/Queues and its Complexity

## Using Queues: Sliding Window and Subsequence-sum problems