

# CSE 12 – Basic Data Structures and Object-Oriented Design

## Lecture 20

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# Announcements

- Quiz 20 due Monday @ 8am
  - No class on Friday, only the exam
- Survey 8 due Friday @ 11:59pm
- PA7 due next Tuesday (3/2) @ 11:59pm
- Exam 2 – Released Friday @ 8am, due Saturday @ 10am
  - 90 minutes once you start - see Piazza post for more details

# Topics

- Heaps
- Questions on Lecture 20?

# Max Heap (draw the picture and array)

- Assume the key and value are identical for this example
- Draw the picture and the array for the following:
  - Add the following elements to the max heap (in this order):
    - 5, 10, 15, 25, 30, 35, 40
  - Call poll() twice
    - What elements were returned?

Questions on Lecture 20?