

CSE 12 – Basic Data Structures and Object-Oriented Design

Lecture 20

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Announcements

- Quiz 20 due Monday @ 12pm
- PA7 due Wednesday, May 26 @ 11:59pm (closed)
- Survey 7 due tonight @ 11:59pm
- Exam 2 – Week 8
 - Released Friday 5/21 @ 2pm
 - Due Saturday 5/22 @ 6pm
 - Topics:
 - Cumulative
 - Big topics – lectures 9 - 17
 - Big O, Big Theta run-time analysis
 - Sorting algorithms
 - Hash tables/maps

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?