

## Day 8 (Wed 2/9)

- Exercise 7 review
- Day 8 recap questions
- Exercise 8

slido.com

jhu int prog 01  
↑  
zero

HW1 due Fri 2/11  
by 11pm

HW2 due Fri 2/18  
by 11pm

"written" homework  
on Gradescope

## Exercise 7

binary search: basic idea

- searching a sorted range of values for a target value
- if the range is empty, failed search
- if range is not empty:
  - check value in middle of range
    - if equal to target value, successful search  
(return index of middle value)
    - if middle value is less than target,  
continue in right side of range
    - if middle value is greater than target,  
continue in left side of range

## Exercise 7 (continued)

Sorted values:

4      5      17      30      40      46      49      54      66      78      96

Search for: 23









