

# CS 161 Introduction to CS I Lecture 24

- What we learned from Midterm 2
- Recursion





## Week 9 tips

- This week
  - Assignment 5 peer reviews due Weds. 3/4 at midnight
  - Study session Thursday 3/5 from 6-7 p.m. in LINC 268
  - Assignment 5 due Sunday 3/8 at midnight
- Beyond week 9
  - Proficiency demo week 10
  - Makeup assignment (6) week 10
  - Final exam Monday 3/16 from 6-7:50 p.m. in LINC 128



- Your opportunity to fill in gaps in understanding
  - Use any errors to highlight what to you can spend more time on
- Solutions (forms 1 and 2) are posted on course website
  - Calendar -> 03/02 (lecture 24)
  - Direct links:
     http://classes.engr.oregonstate.edu/eecs/winter2020/cs161-020/calendar/CS161\_Midterm\_2\_W20\_form1\_soln.pdf
     http://classes.engr.oregonstate.edu/eecs/winter2020/cs161-020/calendar/CS161\_Midterm\_2\_W20\_form2\_soln.pdf
- Midterms for pickup on Wednesday

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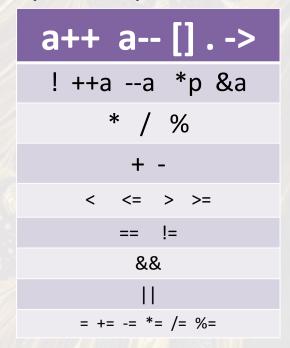
- Return type of a function (Q11, form 1)
- Function overloading (Q12, form 1)
- Dangling pointer vs. memory leak (Q14, form 1)
- Order of freeing 2D array (Q18, form 1)
- Allocate hobbit holes (Q19, form 1)
- Pointer to item on the stack (Q20, form 1)
- If/else only one branch can execute (Q21, form 1)

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- What type is given by "new int"? (Q23, form 1)
- Precedence of dereference vs. indexing (Q30, form 1)
  - Recall lab 6: why did you have to do (\*r)[3] instead of \*r[3] for string\* r?
- Boolean expressions (Q32, form1)
- Pass by value does not change variable (Q33, form 1)

#### Operator precedence





- Declaring references and pointers (Q35, form 1)
- Extra credit

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## Week 9 begins!

- ☐ Attend lab (laptop required)
- ☐ Read Midterm 2 solutions
- ☐ Assignment 5 peer reviews (due Wednesday, March 4)
- ☐ Study session Thursday see worksheet on calendar

See you Wednesday!