COMP1511 PROGRAMMING FUNDAMENTALS

LECTURE 17

Exam-Style Questions Ask me Anything



AST WEEK.

- Exam Information

• A few exam style questions

- - anything

• Exam Style Questions

• Q&A with the tutors - ask me





Live lecture code can be found here:

HTTPS://CGI.CSE.UNSW.EDU.AU/~CS1511/25T1/CODE/WEEK_10/

WHERE IS THE CODE?





Please be mindful of the <u>UNSW Student Code of Conduct</u> as you provide feedback. At UNSW we aim to provide a respectful community and ask you to be careful to avoid any language that is sexist, racist or likely to be hurtful. You should feel confident that you can provide both positive and negative feedback but please be considerate in how you communicate.

my Experience surveys http://myexperience.unsw.edu.au/

COURSE FEEDBACK

Tell us about your experience and shape the future of education at UNSW.

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0 AMPL

Problem 1: Find the range (the difference between the biggest term and the smallest term) of a linked list

BLEN AMPL

Problem 2: Concatenate two linked lists (join one linked list to another)

0 щ AMPL

Problem 3: Given two linked lists, return the difference in the number of items in the two lists.

BLEN AMPL

Problem 4: Count all the elements in the linked list that are divisible by a given number and output the count.

BLEM AMPL

Problem 5: Given two linked lists, count the number of even numbers in both linked lists and return the difference.

BLEM AMPL

Problem 6: Insert a specified number into an ordered linked list, to retain the order of numbers.

BLEN щ AMPL

Problem 7: Delete the first node in the list that is divisible by 6

BLEM A M P L

Problem 8: Duplicate every node in the list by inserting the same node after the original node.

BLEN 0 A P L L

Problem 9: Find the smallest element in the linked list and return it's position in the list.

BLEN 0 A N P I

Problem 10: One that we make up ourselves :)

щ AMPL

Problem 11: In this task, you are given an array of integers with exactly size elements, and a target number. Your function closest_to_target should return the sum of any two numbers in the array that is closest to the target number.

AMPL

Problem 12: Read integers until a negative integer is read and then print odd and even integers on separate lines

щ AMPL

Problem 13: Read integers into an array from terminal until a number is entered, which when multiplied by at least one other number previously entered results in 56.

AMPL

Problem 13: The function sum_cont_subarray should return the largest contiguous sum of a subarray in a given array

A M P L

Problem 14: An isogram is a word in which no letter of the alphabet occurs more than once. Write a C program that reads in words until Ctrl+D and checks whether the word is an isogram.

AMPL

Problem 15: Write a C program that reads in words until Ctrl+D, and checks whether a word read in as a command line argument appears in the main word. If it appears, print it again.

Q&AWITH THE TUTORS

ASK ME (ALMOST) **ANYTHING**

- - Exam tips
 - What to enrol in next term
 - Getting internships/job
 - Being a tutor

Your chance to hear from our tutors about:



Thank you all so much for tuning in, for learning, for engaging, and I hope that you had an enjoyable intro to programming. Don't forget that Rome wasn't built in a day, and becoming a better programmer entails lots of practice! I really appreciate the engagement that you have shown throughout the lectures, and I wish you all well in the final exam. Have a wonderful *short* break, I hope you all get some proper down time.

Good Luck in the exam and for your future courses, and I may see some of you again in your later courses :)

WHAT DID WE LEARN TODAY?

REVISION

Linked Lists

problem6.c

problem1.c problem7.c problem2.c problem8.c problem3.c problem9.c problem4.c problem5.c

REVISION

Arrays

problem11.c

problem12.c

problem13.c

REACH OUT





CONTENT RELATED QUESTIONS

Check out the forum

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