

CSCI 135 Software Design and Analysis, C++
Homework 3
Due 09/26/08

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Problem 1

Do lab 5 on the course website.

Problem 2

Write a program to do the following:

- Input a number n . Then declare dynamically an array of characters of size n .
- Set the elements of this array by reading each one from the input. Assume that you will input either '(' or ')' for each.
- Define a function to decide whether an array containing only '(' and ')' characters is a legal parenthesized expression. For example $((())())$ is legal but $((())$ and $)((())$ are not. Make sure to provide the correct type and number of parameters for this function.
- Call the above function from the main function on the array you constructed. Experiment with different arrays by running the program a number of times with different input.