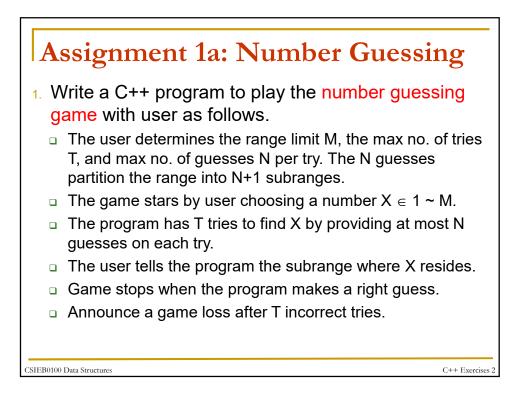
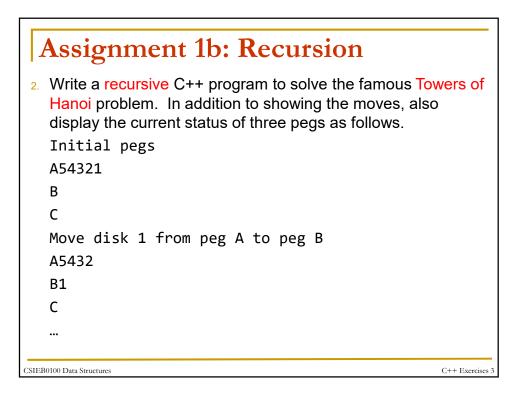
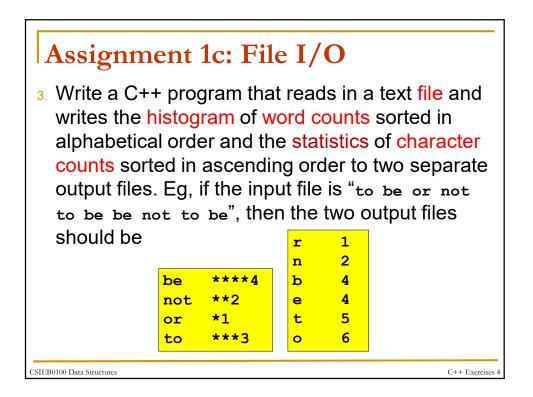


Assignment 1: C++ Exercises

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C++ Exercises

Assignment 1d: Exception Handling

4. Write a C++ function float calculate(char, float, float) which takes a char of either '+', '-', '*', or '/' as operator and two floats as operands. The function should return the result of applying the corresponding operator on the operands if all of them are of proper types and values. It should throw a char exception if the operator is unknown and a char* exception if the operator is '/' and the second operand is zero. Write a main program with a loop to test your function repeatedly and handle all possible exceptions. The program should continue normally after proper handling of an exception.

CSIEB0100 Data Structures

Assignment le: Time Measurement
Download the magic.cpp program and modify it if necessary. Time the execution of the magic function as we discussed in the class. Display the total time and average execution time for 10, 20, ..., 100 iterations on magic squares of sizes 11, 21, 31, 41 and 51 (w/o printing). Based on the performance measurement, what is the complexity of the magic function?
Due date: Oct 19, 2023

