<div align="center">

Computer Science 1 - Program 3
Jumble
Grading Criteria

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Implementation (55pts):

1. Reads from file correctly (10pts).
2. Use the Recursive Permutation algorithm (10pts).
3. Use the Iterative Permutation algorithm (10pts).
4. Uses binary search (or sorted list matching algorithm) (10pts).
5. Correct output format (5pts).

Style (5pts):

1. Contains header comments with name, course number, assignment title, and date.
2. Use of comments and whitespace for easy readability.

Test Cases (40pts):

Recursive - 10 test cases, 2 points each.
Iterative - 10 test cases, 2 points each.

Analysis (10pts):

Detailed description of Iterative and Recursive Run-Times.

Other (Compiling and Running):

-5 points for any files (solution, input, output) named incorrectly
-10 points for not compiling
-10 points for crashing

Extra Credit (5 pts):

No repeats – if the students output matches the no repeat output file, give **+2.5 points**.

Permutations of different lengths **+2.5 points**.