Assignment6: The Game Morra

Due: October 7, 2021

All programs must run correctly for it to be considered as accepted submission. (Per each missing- or unaccepted-submission your grade will be lowered by one letter grade); The last day to upload the assignments is Dec 20th.

Resources

https://en.wikipedia.org/wiki/Morra_(game)
https://www.youtube.com/watch?v=HWQDqUYvOOY (just for fun)

Programming Style related to if statements.

Indentation and Curly Braces for Control Structures (ANSI C++): Pg 3

- Optional Omission of Curly Braces Pg 4
- Indentation of " if " and " else " Pg 5 and Pg 6
- "White Space" (blank line) between Sections / Blocks of Code Pg 7
- "White Space" Before and After Operators, etc. Pg 7
- Return () Statements and the "Single Entry-Single Exit" Rule Pg 8

Objective

In this assignment, you will be practicing random numbers, time function, modulus operator, if-else statement(s), and file output.

Code : morra.cpp Input : none

Output : morraResults.txt

Assignment: Morra

You are to write a program that implements one instant of a Morra game between two players. Each player simultaniuosly thow out a single hand with a 0 to five number of fingers and say a guessed sum of all fingers showed by both players. The player who could guess the total correct wins. If both players guessed it correctly it is a tie. If both players could not guess, no one wins. output the result, similar to the sample output shown below, into a file, named morrasResult.txt.

- Define and use constants, when possible.
- The program should generate different numbers each time it runs;
- Use if-else if when possible instead of nested ifs or multiple independent ifs.

Sample Output1

morraResult.txt +2 × morras.cpp 1 Fingers total 2 5 6 3 1 6 4 Correct total is 6 5 6 TIE 7

Sample Output2

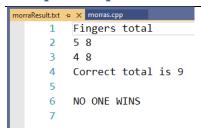
```
morraResult.txt +2 X morras.cpp

1 Fingers total
2 5 5
3 4 9
4 Correct total is 9
5
6 PLAYER 2 WINS
7
```

Sample Output3



Sample Output4



Your program will be graded on:

- 1. The program must be submitted by the due date.
- 2. The program must run correctly and give an output similar to the sample output.
- 3. You must adhere to the Department style guide.