Homework

Do not Google for a solution and copy it – if you need to watch a video or look at another solution, then do that...close it...and then program it yourself. It is important to try, to make mistakes, and then debug them.

READ Chapters 5 and 9 of "grokking algorithms" – try all exercises, but do NOT turn in!

Homework

Program Fibonacci using memoization (30 points):
see `fib.c` in github for skeleton of program, including naive version of fib
https://github.ccs.neu.edu/bhailpern/CS5006_Summer_2020/blob/master/fib.c

- Create `mfib()` function to calculate Fibonacci using memoization
- Also create `initMemo()` function to clear out memoization table(s) at beginning of each `mfib()` run

FYI ... note speed difference between fib and mfib!

Turn in your program and screen shot of your output

You can check your fib output at
https://miniwebtool.com/list-of-fibonacci-numbers/?number=100

Homework – due 6pm PT next Tuesday

Please upload to Canvas your C program and screen shot of you executing the program.

For this homework assignment, you may (if you choose) work in teams of 2.

Each student is expected to work WITH the other student while writing and testing (via ZOOM or whatever collaboration tool you like). Do not split the task between the two of you.

Each student should upload program/screen shot

The comment at the top of the program should say if it was done by a team and who the two members of the team were (so that the TAs do not have to grade the same homework twice).