1. Recursion
   (a) Expressing a problem in terms of a simpler version of itself — use $n!$
   (b) Function calling itself
   (c) Similar to mathematical induction, but backwards
   (d) Structure: base case, recursive case
   (e) What happens if you omit the base case? (Bad things . . .)

2. How it works
   (a) Program stack
   (b) Walk through `nfact.c`, with $n = 4$
   (c) Note `nfact` calls `nfact`

3. Recursive palindrome program
   (a) Go through algorithm, working from outside in
   (b) Write recursive case
   (c) Write base case
   (d) Put them together in `ispal.c`

4. Recursive greatest common divisor
   (a) Go through Euclidean algorithm for computing gcd
   (b) Walk through function `gcd`, with $m = 4$ and $n = 6$
   (c) Do it again with $m = 126$ and $n = 28$
   (d) Go through program `gcd.c`

5. Reverse a string `[reverse.c]`

6. Tower of Hanoi `[tower.c]`