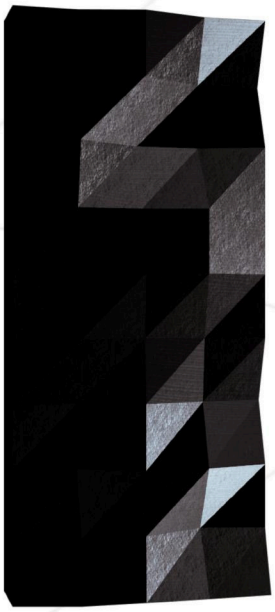

Dash – problem solving

Summary: this document is the subject for the dash @ 42Seoul.

Contents

Chapter 1

Foreword

This project focuses on solving problems and aims to develop a diverse perspective on problems.

Chapter 2

Objective

```
for (int idx_1 = 0; idx_1 < n; ++idx_1) {
  for (int idx_2 = 0; idx_1 < n; ++idx_1) {
    for (int idx_3 = 0; idx_1 < n; ++idx_1) {
      for (int idx_4 = 0; idx_1 < n; ++idx_1) {
        for (int idx_5 = 0; idx_1 < n; ++idx_1) {
          for (int idx_6 = 0; idx_1 < n; ++idx_1) {
            for (int idx_7 = 0; idx_1 < n; ++idx_1) {
              for (int idx_8 = 0; idx_1 < n; ++idx_1) {
                ...
                ...
                ...
              }
            }
          }
        }
      }
    }
  }
}
```

Is this a smart structure,,? 🤔🤔🤔🤔🤔

Expand your thinking! If you understand the depth, add depth to the depth 🤣🤣

Chapter 3

Instructions

- include c99-Wall-Wextra-Werror for the build option.
- I strongly recommend using global variables
- There are limitations for each question, so please read Red Box carefully
- We don't keep normal.
- You can use scanf.

Chapter 4

Exercise 00 : permutation

	Exercise 00
permutation	
Turn-in directory : ex00/	
Files to turn in : permutation.c	
Allowed function : write	

Given N and M, write a program to find all sequences of length M that satisfy the conditions.

From 1 to N, M selected sequences may be selected several times.

1 <= N <= M <= 6

Input :

4 3

Output:

111
112
113
114
122
123
124
133
134
144
222
223
224
233
234
244
333
334
344
444

Chapter 5

Exercise 01 : more permutation

	Exercise 01
more permutation	
Turn-in directory : ex01/	
Files to turn in : more_permutation.c	
Allowed function : write	

Given N and M, write a program to find all sequences of length M that satisfy the conditions.
From 1 to N, M selected sequences may be selected several times.

1 <= N, M <= 6

Input :
3 3

Output:

111	211	311
112	212	312
113	213	313
121	221	321
122	222	322
123	223	323
131	231	331
132	232	332
133	233	333

Chapter 6

Exercise 02 : much more permutation

	Exercise 02
much more permutation	
Turn-in directory : ex02/	
Files to turn in : much_more_permutation.c	
Allowed function : write	

Given N and M, write a program to find all sequences of length M that satisfy the conditions.
A sequence of M from 1 to N should be output in ascending order.

1 <= N, M <= 6

Input :
6 3

Output:

123	146	345
124	156	346
125	234	356
126	235	456
134	236	
135	245	
136	246	
145	256	

Chapter 6

Exercise 03 : even more permutation

	Exercise 03
even more permutation	
Turn-in directory : ex03/	
Files to turn in : even_more_permutation.c	
Allowed function : write	

Given N and M, write a program to find all sequences of length M that satisfy the conditions.
A sequence of M from 1 to N should be output in ascending order.

1 <= N, M <= 6

Input :
6 3

Output:

123 146 345
124 156 346
125 234 356
126 235 456
134 236
135 245
136 246
145 256