



Introduction to C++ for DSA

Module 2.5: Practice Day 01

(Codeforces Links and Practice Questions)

Topics:

1. Basic C++
2. Dynamic Memory Allocations

Codeforces Problem Links:

1. [M. Capital or Small or Digit](#)
2. [C. Simple Calculator](#)
3. [H. Sorting](#) (solve using swap() function)
4. [E. Max](#) (solve using max() function)
5. [K. Max and Min](#)

Practice Problem 1

Question: At first in the main function take an integer **N** as input. Then make a function named **get_array()** which will receive that **N** as a parameter. Then inside the **get_array()** function create an integer array of size **N**. Then the values of that array will be taken as input. After that return that array from that function and receive it in the main function and print the values of the array there.

Sample Input	Sample Output
5 1 2 3 4 5	1 2 3 4 5
7 5 1 2 4 6	5 1 2 4 6

Practice Problem 2

Question: Take an integer array **A** of size **N** as input. Then take an integer **M** as input. You need to take an array **B** of size **M** and copy all elements of array **A** to array **B**. Delete the array **A** and then take input of the rest of the elements of array **B**. After that print array **B**.

Sample Input	Sample Output
5 1 2 3 4 5 10 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10
3 10 20 10 5 60 40	10 20 10 60 40