

CMPD 244 Programming II

Lab 4: Array in C++

In this lab session, you will learn on how to create a program that includes array. An array is a group of items that can be identified as similar because they are of the same nature. Arrays come in two flavours: one dimensional and multi-dimensional array.

Program Sample 1: One Dimensional array

Program Sample 2: 2-Dimensional Array



Lab Exercises:

- 1) Write a program that enables the user to enter 6 integer values and store it in an array. Your program then needs to sum up those 6 values and display it as an output.
- 2) (a) Convert the following array initialization to only **1 (ONE) 2-Dimensional array** initialization called patient.

```
int patient1[3] = {10, 20, 30};
int patient2[3] = {40, 50, 60};
int patient3[3] = {22, 33, 44};
int patient4[3] = {55, 66, 77};
int patient5[3] = {38, 48, 58};
```

Figure 1

(b) Use your answer from Question 2 (a) as an initialization for a new program that will print the output in Figure 2. Write a complete program that will deliver the exact output as presented in Figure 2.

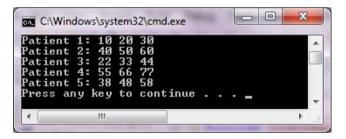


Figure 2

Don't forget to submit the screen capture of your coding and output to our Brighten portal with the subject: CMPD244 Lab4 < YourStudentID>< Your Full Name> at the end of this lab session. Good Luck! ©