

CS 150 Lab 12

Arrays and Functions

The purpose of today's lab is for you to get more experience working with arrays and functions.

- Be sure your output looks exactly like the specified output
- Be sure to submit your solution to **CS150-01 Drop** when you are done by Friday at 5pm

Lab 12

In the folder CS150-01 Public, you will find a file called lab12.cpp which contains a C++ program that has several function prototypes and a main function that contains code to test the function definitions that you must write.

Write a complete C++ program in a project **12_1_ArraysPlusFunctions** that will create an empty file main.cpp. Then copy all of the code from lab12.cpp into main.cpp. Finally write the function definition for each function prototype one at a time. Test each function one at a time by commenting out the code in main.cpp that makes calls to functions that are not written.

If your functions are written correctly, your program will produce output the output on the following page:

Expected Output

***** Printing Array A *****

1 2 3 4 5

***** Printing Array B *****

10 9 8 7 6

***** Sum Of Array A *****

15

***** Sum Of Array B *****

40

***** Print arrayA after adding 6 at the end *****

1 2 3 4 5 6

***** Print arrayA after adding 6 at the beginning *****

6 1 2 3 4 5 6

***** Print arrayC after copying arrayA to arrayC *****

6 1 2 3 4 5 6

***** Printing Array A after reversing it *****

6 5 4 3 2 1 6

***** Printing Array B after reversing it *****

6 7 8 9 10

***** Check Array B is sorted *****

Array B is sorted

***** Print arrayB after adding 11 at the end *****

6 7 8 9 10 11

***** Print arrayB after adding 6 at the end *****

6 7 8 9 10 11 6

***** Check Array B is sorted *****

Array B is NOT sorted

***** Printing Array A *****

6 5 4 3 2 1 6

***** Printing Array B *****

6 7 8 9 10 11 6

***** Print arrayAB which is the sum of arrayA and ArrayB *****

12 12 12 12 12 12

Press any key to continue . . .

