

# C++ Crash Course: Practical 2

1. Write a C++ function to add three numbers (arguments) together and call this function from main(), printing the result to screen.
2. Modify your program to declare an array with 15 elements and use a loop to set all the elements to the value of your function, when the three arguments are the loop variable, 2x the loop variable, and the number 12.
3. Modify your program to use a std::vector to store the values instead of a static array.
4. Copy the contents of the vector to a list, reverse the list, and copy the values back to the vector. Print out the reversed vector to the screen.
5. Pass the vector to a function which returns the sum of all the values in the vector.
6. Extend the program and function to use a 2-dimensional vector (or 4 dimensions for fun!)