

C++ programs C++ programs > My Mac Build Succeeded | 2/3/25 at 9:14 PM main const char* -Since we are using elements that are FIXED and shouldnt be messed with we use "const" we also use the "char*" -NULL terminated = use a pointer -First off the const avoids anyone from messing with it's original value. The appersand next to the datatype tells us that we look at the variable directly (no copy) -Since strings have their own built in NULL we can just pass by reference with '&' directly. 58 string toMorse(const char* morse[], const char* characters[], const int SIZE, const string& input) { string result; for (char ch : input) { // Essential for the given input be all Uppercased so that the translation is as accurate as possible. ch = toupper(ch); // Convert to uppercase int index = -1; // default index to -1 so that when there is an element it can start at 0 and pop up from there.. this also helps us with our later if statement below // Find the index of the character in the `characters` array for (int i = 0; i < SIZE; i++) {</pre> if (characters[i][0] == ch) { // this looks like a 2D array but isnt.. this part of the problem tripped me up with syntax. $if(index != -1){$ result += morse[index]; // Append the Morse code result += " "; // Append some spaces for read-ability return result;

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