# Lesson 10 Lab

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Task 1: To define a functions which takes three char\* (a, b, c) and then concatenate a and b to become a new string, put the string into c, you can assume both a and b have valid string and c is large enough. The prototype is as:

void my\_concat( const char \*a, const char \*b, char\* c);

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Task 2: To define a program to compare each pair of the strings and print the bigger one for each pair, using function **strcmp**

1. ”Az” and “aZ”
2. “ABCDEF” and “a”
3. “sushi-roll” and “unagi”

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Task 3: To define a program to find the second ‘a’ in string “apple-pineapple”, using function **strchr**, print “yes” if you found the second, print “no” otherwise.

[Challenge] Try to see whether you can print the index of the second ‘a’, if found

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Task 4: To define a program which defines two integer arrays, and then copy array1 values into array2, using function memcpy

Note: give your array1 some initial values, for example:

int array1 [] = {1,2,3,4,5,6,7,8,9,0};

int array2[10];

[Hint: We can assume array1 and array2 have same length.]

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Task 5: To define a function which takes in two strings, and then prints the longer one, using strlen to understand which one to print

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