

Lab 12 Pointer (2)

Please test the correctness of your programs using PASS.

In this lab, the length of all the input cstrings are less than 100.

Question-2.

Write a program including a function called **replace** (char* str, char* space). The return type is also char pointer. The function is used to replace all the spaces in the given input string str by the given input string space. Use dynamic allocation to arrange space for the return char*.

Note:

1. You can assume that the input strings str and space are not null string.
2. Spaces may exist at the beginning or the end of the string.

Expected Outcomes:

Example 1
Enter the input string: <u>we are happy</u> Enter the input space str: <u>% 0</u> The replaced string is: we% 0are% 0happy
Example 2
Enter the input string: <u>what</u> Enter the input space str: <u>123</u> The replaced string is: what
Example 3
Enter the input string: <u>count the number of char</u> Enter the input space str: <u>&&&</u> The replaced string is: &&&count&&&the&&&number&&&of&&&char&&&