

CSE 114
Fall 2016
Fundamentals of Computer Programming
Assignment 9
Due: 13.12.2016 at 13:00

In this assignment, you will implement a C program where two words are reversed **recursively**. You should **not** use any loops.

The algorithm you need to use is as follows. First shift all characters to the right one position and then insert a space character at the beginning of the string. Then remove the last letter of the string, shift all characters to the right and insert last letter to the beginning until the space character appears at the end of the string. Then you can replace this last space character with '\0'. An example is given below:

Step 0: "Albert Einstein"

Step 1: " Albert Einstein"

Step 2: "n Albert Einstei"

Step 3: "in Albert Einste"

Step 4: "ein Albert Einst"

Step 5: "tein Albert Eins"

Step 6: "stein Albert Ein"

Step 7: "nstein Albert Ei"

Step 8: "instein Albert E"

Step 9: "Einstein Albert "