

CS 344 Homework 2

Due: Saturday, 2/2/2019 by 11:59 PM

Please read the entire document before starting to code. Get in touch with me if you are unclear about anything.

There should be two C files that accompany this document: `stringjoin.c` and `stringjoinv2.c`.

Study BOTH files starting with `stringjoin.c` and make sure that you understand how they work. Compile and run them on the Linux system.

The program `stringjoin.c` uses pointer arithmetic and the other program treats pointers like arrays and uses subscripts to access their elements.

Both programs read an unknown number of strings from a user and currently only display the strings.

Their final goal is to create a joined string from those strings using a delimiter string also obtained from the user.

The `joinstring` function is supposed to do that job but it hasn't been implemented.

Your job is to implement the `joinstring` function but **ONLY IN `stringjoinv2.c`**. Use the techniques shown in that code for working with pointers.

You do NOT have to do anything with `stringjoin.c` for homework but you should understand EXACTLY how it works.

You are only allowed to use ONE function from the string library to help you and that is `strlen` which determines the length of a string. If you need any other functions, you have to write them yourself.

Please put your name, the due date, and a small description of the program at the top of the program.

Also, document your code thoroughly by explaining what each logical block of code is going to do and what each obscure statement does.

When you are done, zip the program up into a compressed file named as follows:

`yourUserName_hwk2_mmddyyyy`

`mmddyyyy` refers to the due date. (If you are using your own computer, use your ERAU username.)

Example: `bethelmd_hwk2_02012019`

Upload the zipped file onto Canvas.