

Introduction to Computer Science Lab II

CIEE102, Spring 2020

Lab 3

Write a C program to

- (a) Input a number f of type float and two strings $s1$ and $s2$. Print them out on your screen.
- (b) Copy the first 6 characters of $s1$ to an empty string called $s3$ and print $s3$.
- (c) Append the first 6 characters of $s2$ to $s3$ and print $s3$.
- (d) Compare the first 7 characters of $s1$ with those of $s2$ and print the result.
- (e) Does $s1$ contain character 'n'? Where is the first occurrence of 'n'? Where is the last occurrence of 'n'? (print the substring starting with 'n' to show the location)
- (f) Does $s2$ contain "bc"? (print the substring starting with the first "bc" to show the location)
- (g) Locate the first occurrence in $s1$ of any character in $s2$. (print the substring starting with the first occurrence to show the location)
- (h) Print tokens from $s3$ separated by blank delimiter.
- (i) Convert f to a string with fraction part consisting of 3 digits and print it out.
- (j) In $s3$, how many characters are there before the first digit character?
- (k) Write a program that input a line of text and a search string from the keyboard. Using "strstr", locate the first occurrence of the search string in the line of text, and determine the total occurrences of the search string in the line of text.