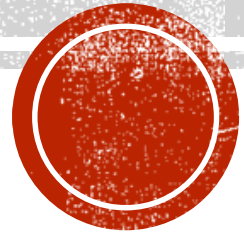
Hands-on Exercises

(Strings and Dynamic Allocation)

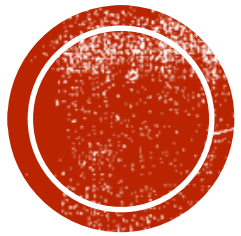
IT 1201



The problems are found inside my folder in Drive T: (teacherfiles)

Instructions:

1. In My Documents, create a folder with your last name and the date today as your folder name. (e.g. Polinar_Nov26)
2. Solve each problem one by one and save your outputs on the folder you created.
3. Once you are done with a problem and are SURE that your answer is correct, call the attention of you teacher to check your output.



Save as: removeVowels.c

Create a C program that contains the function named `removeVowels()`. This function will remove all occurrences of vowel letters with the help of a ctype function. Assume that all letters are already in lowercase form and the function prototype is:

```
void removeVowels(char* str);
```

Example:

INPUT	OUTPUT
what a feeling!	wht flng!

Save as: stringFunc.c

Create a C program that would call/invoke the following functions:

- wordCount() which counts the number of words found in the given sentences. It will return the number of words to the calling function.
- mystrlen() which performs the same task as strlen. The function will return the length of a given string.
- mystrrev() which performs the same task as strrev. The function will reverse the given string.

Save as: fbLink.c

Given the first name and last name as parameters, write code of the function `createFBlink()`. The function returns a facebook link which serves as an alternate email of the facebook user. The variable holding the facebook link should contain the minimum number of bytes required to store the string representing the facebook link. If there is no first name or last name the function returns `NULL`.

Example: firstname = donghae lastname = lee

facebook link = lee.donghae@facebook.com

Create the appropriate `main()` function which asks for the input, calls the function and displays the return value. If the return value is an empty string, display “no facebook link generated”