

# Assignment 2

## String Manipulations in C using Standard Library Functions

### Instructions:

1. Write a C program to calculate the length of a given string using the “**strlen**” function from the standard library. The program should take a string as input and output its length.
2. Create a C program that concatenates two strings using the “**strcat**” function from the standard library. Take two strings as input and produce the concatenated string as output.
3. Implement a C program to copy the content of one string into another using the “**strcpy**” function from the standard library. The program should take a source string and copy its content to a destination string.
4. Write a C program to compare two strings using the “**strcmp**” function from the standard library. The program should take two strings as input and output whether they are equal, greater, or smaller.

### Submission Guidelines:

- Each task should be implemented in a separate C program.
- Use meaningful variable names and provide comments for clarity.
- Submit the source code files (.c) along along with screenshots of your outputs
- Include your full name on the submission

**Important Note:** Plagiarism will not be tolerated.  
Ensure that the submitted code is your own work.

**Deadline:** Submit your completed assignment by next Thursday **02/08/2024**