# SESSIONAL EXAM
## COMPUTER NETWORK LAB

SECTION: AI-K

# Submission Guidelines:

1. Read the questions carefully and answer them accordingly.
2. Code should be clearly written with comments added to explain each step and each function that you use.
3. Make sure that the task file is named in the format of ixx-xxxx.zip with two folders in it for Task 1 and Task 2. Each file should be named properly (Adding object file is not necessary).

Plagiarism of any kind (website, peers, ChatGPT, etc.) would result in a 0 on the complete exam. No do-overs would be allowed (except for emergency cases

# Task 1:

Consider a scenario where you need to implement a simple TCP client-server connection in C language. The client sends an integer array to the server, and the server computes the average of the elements in the array and returns it to the client. Design and implement a TCP client and server to achieve this functionality.

# Task 2:

Create a UDP connection such that the server reverses the message that the client sends and calculate the length of string passed as well.

Note: Ensure that client is always displaying the results in both questions.

**~*~Best of Luck~*~**