# **PART 1: String Reversal Server using TCP Sockets**

The problem is to implement a client-server user-level application using sockets API in C. The server accepts a string from the client and replies with the reverse string. For example, when a client sends “NITC”, the Server replies with “CTIN”. Both server and client(s) have to output both sending & receiving strings on the terminal. During the evaluation, you will be asked to do minor modifications.

# **PART 2: String Reversal Server using UDP Sockets**

This problem is the same as the above problem except that here you will be using UDP sockets for implementing the client–server application.

***Submit assignments on Eduserver before 9.00 AM, January 13th, 2023.***

**The details of the file naming format and link for the submission will be shared later.**

Useful links:

* Beej's Guide to Network Programming Using Internet Sockets: http://www.beej.us/guide/bgnet/
* Programming UNIX Sockets in C - Frequently Asked Questions: <http://www.softlab.ntua.gr/facilities/documentation/unix/unix-socket-faq/unix-socket-faq.html>