LAB 1 – Socket Programming: Array Sort

**Overview**

Objective is to implement an array sort algorithm using socket programming.

**Steps**

Client file:

1) Create a socket

2) Connect to remote server

3) Receive reply from server

4) Close the socket

Server file:

1) Create socket

2) Prepare sockaddr in structure

3) Bind the socket

4) Print error message

5) Listen to socket

6) Accept connection from incoming client

7) Receive message from client

8) Create array sort function (bubble sort here)

**Key Commands**

socket – create unbound socket in communications domain

server.sin\_addr – IP address in the socket

connect - used by the client application to establish a connection to a server

send – sends data

recv - receives data

listen - marks the socket referred to by sockfd as a passive socket,

**References**

https://www.geeksforgeeks.org/sort-array-using-socket-programming/