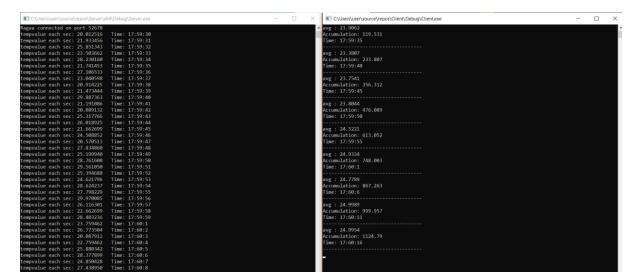# Forest Fire Forecasting Task

Task approach:

- Creating a TCP Server and client.
- Send data from server to client every second.
- Receive the values from the server as the client and print calculations every 5 seconds.

Libraries used:

- String → Manipulate data by converting the float values sent by server to client to string so it could be transferred through send() function. Also recasting the value as float once again when it gets received by the client.
- time.h → to print time stamp next to each output by client or server to demonstrate visually the time difference between each command.
- WS2tcpip.h → The main library to create a TCP socket connection between a server and a client

Results:

The left side represents the Server side, where the server prints the value of the temperature to the client and the time it was send at. The right side is the Client, where it only prints the final calculations of average over time and accumulation over time every 5 seconds as the time stamp shows.

Github Repo:

https://github.com/RagaaM/-forest-fire-forecasting-c---server-client-TCP-socket-programming