Class Connect

- Configuration of a multi-threaded server to handle multiple clients simultaneously using socket programming.

- Concurrency handled using pthread by creating TCP sockets for tasks such as sending messages for functionalities such as chat server, file transfer, setting appointments.

1. Server would run in the background and provide different services to professor – client and student – client.

2. The steps to run them are given below.

1. Server Implementation

* Enter the server folder in terminal
* Compile the server with following command
  + - * *gcc –pthread –o server server.c*
* Run server by the following command:
  + - * *./server 98765*

1. Professor Implementations

* Enter the client folder in a new terminal to run the client – Professor
* Compile the server with following command
  + - * *gcc –o professor professor.c*
* Run server by the following command:
  + - * *./professor 127.0.0.1 98765*

1. Student Implementations

* Enter the client folder in a new terminal to run the client – Student
* Compile the server with following command
  + - * *gcc –o student student.c*
* Run server by the following command:
  + - * *./student 127.0.0.1 98765*