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**Assignment-3**

The start of the code is the structure that I took from internet as we used to in lab task. The structure creates a connection between client and server. It tells that the server and client connection has been successful or not.

Next the client code is asking the user to enter t if teacher and s if student. In both cases the input is used to enter the specific if condition.

In case of t, the code asks the user to enter his/her name. The name is send to the server, who checks if the name of t\_teachername that the user had input is present or not. If the file is not present, the server makes a new file for the user.

Next a menu is shown to the user. The menu asks if the user want to view the file, edit the file, add student to the file or exit. This is selected due to specific integer as input. If the user enters 1 the file with the teachers’ name is opened by server and read by server and sent to client to show it to user. If 2 is entered, the client asks the roll no and marks which are sent to server. The server then enters the new record in the file of the specific teacher. If 3 is pressed the client asks for roll no and new marks which are sent to server who finds the roll no and then edits it marks. If 4 is entered the code shows GoodBye and exits the code. In every menu option except 4 the name of the course and the teachers name is also shown to the user which is sent by server to client.

In case of the user enters s for students , the user is asked for his/her roll no. The roll no is then sent to server which opens all the file names in the directory starting with t\_. All the files are then searched and then the marks of the student are sent to client with the course names. All the marks are then displayed on the terminal. If the roll no is not present in the files an error with the rool no missing is sent by server to client.

**NOTE:** My Ubuntu crashed at the last moment before submitting the code. I was running the code on it. With effort I was able to retrieve my code but there can be some problems in. Please contact me if there are. I also made the files containing the course name , teacher name and marks which ia lost due to the crash of my Ubuntu