

EE4204 Computer Networks (Part 1)
Socket Programming Assignment (Sem1, 2024-25)

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Graduate Assistants (GAs):

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Lab Session and Document Details

(Week 9: 17,18 October 2024 (Thursday and Friday))

(Venue: WS2/WS3 E1-04-13/E1-04-12)

1. As announced in the first week, The lab practice sessions are scheduled during in week 9.
2. Demo sessions will be scheduled in week 13 and the details will be posted later.
3. The sessions are conducted face-to-face in-person in the venue stated above.
4. The complete set of lab material has been posted separately as a zipped file with the following documents.
 - a. Lab assignment problem
 - b. Brief course material
 - c. Assessment details
 - d. Example programs
 - e. Ubuntu and virtual box installation instructions to create Linux environment to run example programs (and your assignment solution) to run on your computer for the purpose of testing and debugging
 - f. Powerpoint presentation material explaining the basics of socket programming and the given example programs
5. If you wish to develop your assignment solution using other languages and OS, you are free to do so.
6. You can run the example programs (both client and server) within a single computer for testing and debugging purpose on your computer. During the lab sessions (and also for the demo), you need to run the client and server programs on two different computers at the lab venue. If this is not possible due to security concerns, you will be allowed to show the demo on a single computer.
7. There will be a presentation by a GA explaining the socket programming, example programs and the assignment problem.
8. Feel free to consult the GAs for necessary assistance to clarify your doubts.
9. Your group number and schedule are have been posted separately at Canvas.. You need to attend your session at least for one hour. If you have an overlapping lecture for the entire session of 3 hours , you can inform the GA and join another session. Attending at least one session (for at least one hour) is COMPULSORY.
10. Linux lab accounts are being created for you. If you already have an account, you can use it. Otherwise, use the login username and password which will be announce asap.