

**COEN-233**  
**COMPUTER NETWORKS**  
**COMMON QUESTIONS RELATED TO PROGRAMMING ASSIGNMENT**

**Q-1) What programming language should be used?**

Answer: - Programming assignments should be in C language only. No other programming language will be accepted.

**Q-2) Do we have to use two computers making one as a server and one as a client?**

Answer: - No, client and server should be on one computer only. Two windows/terminals can be run simultaneously making one as a client and another as a server.

**Q-3) I am very new to client server programming, how should I approach the assignment?**

Answer: - You can start from below links-

<http://beej.us/guide/bgnet/output/html/multipage/index.html>

<https://www.youtube.com/watch?v=pFLQkmnmD0o>

**Q-4) Can I use online resources?**

Answer: - You may use online resources, textbooks and other resources as reference materials.

However, your program should be your original work.

Plagiarism is strictly prohibited by the SCU Honor Code. Any act of dishonesty will be severely penalized.

**Q-5) What should I do if I have questions?**

Answer: - You can send me an email, I will respond as soon as possible.

If you prefer to meet in person and talk about your questions, come to office hours or schedule an appointment with me.

However, I can only help you in understanding the problem statement, I cannot design your algorithm or your program for you.

#### **Q-6) Should I make assumptions when working on the assignment?**

Answer: - You should make sure that your program meets all the requirements of the problem statement. If you are unsure about the requirements, it would be best to ask for clarification during office hours or via email.

#### **Q-7) What file should I submit for the programming assignments?**

Answer: - For both programming assignments, you need to submit a soft copy of the assignments, including your source code, input file (.txt or .csv) if there is any, output files ( .pdf or .png or .jpeg), source code (.c).

Your email subject should be in the following format:

“COEN233 ProgrammingAssignment<1 or 2> <your name>”

Code should have proper comments, indentation and any assumptions if you have taken. Make sure to have proper comments else I will not be able to grade your source code from the soft copy.

Don't forget to write your student ID and name in your source code.

#### **Q-8) Can I give demo for both assignments separately?**

Answer: - If you finish the first programming assignment earlier than the due date, I will accept submissions and demos for it.

I strongly suggest you start working the assignment early to give yourself enough time to finish both assignments.

#### **Q-9) If I submit the soft copy only but don't do the demo, will there any penalty?**

Answer: - The purpose of doing a demo is to prove the originality of your work, show your understanding of socket programming as you explain your code.

There will be severe deduction if you only submit your source code.

#### **Q-10) I am ready for the demo? What should I do?**

Answer: - I am available for demo during office hours on Wednesdays and Fridays from 11:30AM to 12:30PM in our regular classroom, or by appointment.

Make sure you submit your source code, input/output files before the demo.

Please bring your laptop on which you can run your code.

Please also bring a hard copy of your source code to the demo.

#### **Q-11) What should I explain during demo?**

Answer: - You should explain the structure and flow of your program for all the test cases and required features.

You should show that your client and server are able to sent normal data packet to each other successfully.

You should also show how your client and server handle the four error cases stated in the requirements.

Finally, you should show that your ack\_timer is functional, i.e. prints out an error message and closes the socket when ack\_timer expires.

#### **Q-12) On what basis grading will be done?**

Answer: - Grading will be on the basis of following parameters:

Demo – Algorithm explanation with all the test cases mentioned in the problem statement, source code compiles and runs without throwing any error, etc.

Source code – Correctness of the algorithm, comments, indentation.

If your assignments submissions and demo meets all the requirements in the problem statement, you will receive full credit.

**Q-13) When and how will I know my grades?**

Answer: - Once everyone finishes with both of their demos, I will let you know the assignment grade (and reasons for deduction if applicable) via email.

**Q-14) Can I do the demo after the deadline?**

Answer: - No programming assignments submissions or demos will be accepted after March 9th, 2017.