COEN 233 COMPUTER NETWORKS

COMMON QUESTIONS FOR PROGRAMMING ASSIGNMENT

Q-1) I am very new to client server programming, how should I approach the assignment?

Answer: - Here are a couple of useful links to point you to the right direction

http://beej.us/guide/bgnet/pdf/bgnet_USLetter.pdf

https://www.youtube.com/watch?v=Emuw71lozdA

Q-2) What should I do if I have questions?

Answer: - You may send an email to the grader at kspimparkar@scu.edu, or schedule individual appointments at other times. If located in a different time zone do include that in your email. Keep in mind that you must design your algorithm yourself, the grader is there to help you understand the problem statement and to clarify assumptions.

Q-3) What programming language should be used?

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

Q-4) 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 (.c), input file (.txt) if there is any, output files (.pdf or .png or .jpeg).

Your email subject should be in the following format:

"**COEN233-ProgrammingAssignment-<1 or 2>-<your name>**"

Code should have proper comments and indentations. Don't forget to include your student ID and name in your source code.

You will be asked to download your source code from your email submission, and compile and run your program.

Q-5) 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, **no multithreading necessary**.

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 clarification by scheduling an appointment with the grader or via email.

Q-7) 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-8) Can I give demo for both assignments separately?

Answer: - If you finish the first programming assignment before the due date, early submissions and demos will be accepted with possible extra credit.
You are strongly encouraged to start working on the assignment early to allow enough time to finish both assignments.

Q-9) If I submit the soft copy only but don't do the demo, will there be 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 submit your source code without a demo.

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

Answer: - You may demo your programs by scheduling an appointment with the grader.
Make sure you submit your source code, input/output files before the demo.

Q-11) Can I do the demo after the deadline?

Answer: - No programming assignments submissions will be accepted after Nov 21, 2021. No demos will be accepted after Dec 8, 2021.

Q-12) 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 send 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-13) How will grading 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 meet all the requirements in the problem statement, you will receive full credit.

Q-14) When and how will I know my grades?

Answer: - Your grades will be consolidated by the professor at the end of the quarter.