

Pre-project

Due: August 13, 2013

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Please complete this task in a 2-people group.

Write a set of programs (in your choice of language) to allow 2 computers to communicate using TCP. You will need

- 1) a simple echo server using TCP (program) – you need to write this
- 2) a simple client using TCP (program) – you need to write this
- 3) 2 computers, one runs a simple echo server and another runs a simple client

You need to comment your code, in details, to explain what each part of your code is doing.

In this program, a user will put a text into the client when prompted. Then your program will transmit the input text to the server. The server receives the text and simple echo the text back. The client will print out the received text so that the user can see.

You should test with both short and long texts. You may see that your data (text) is broken into multiple pieces when being sent to the server.

Demo: you have 10 mins to show your program to me. You also should be able to explain your code, in details. You need to know what each single line is doing and what it is for. The pre-project score is counted toward 3% of your project score. (Other 7% is for the project.) The demo will be on August 13, 2013 at 15:30-17:40. Please sign up both of your names at <http://goo.gl/Sro5lB>. If you are late for your time slot, you will be skipped and get no score for the project.

Hint: look at page 70 of the Berkeley API ;)