

### Learning Diary Exercise 2.3

1. How long did you work on the exercise (in minutes or hours)

It took me around six hours.

2. Describe the approach of your solution. Discuss aspects such as the network operations, error handling, overall design

I started by making connection with the test server first. Then I read the message that the server send me if it is "MORE" Then I start creating a server socket that listen to the local address of my machine after I sent my local address to the test server in while loop until the OK occurs that will stop the program. The program works fine.

3. Did you have any failures or problems before successful solution? Discuss (your analysis) of the reasons of problems, and how you fixed them

- 1) I had problem with the port number since it was sending error message "port in use" due to not incrementing the port number.
- 2) My writing to the socket was failing because I was putting the wrong size of the buffer
- 3) I forgot to initialize the memory after each exit of loop that was giving me some unexpected error

4. Did you learn anything? (or did you know it already? or did you not understand what were you supposed to learn?)

I learnt how to work with client and server at the same time . I did not know this previously.

5. Give feedback about exercise and related material. Is there something that could be improved?

The material is enough and the example help to solve this assignment .