Learning Diary exercice 3.1

1. How long did you work on the exercise (in minutes or hours)
It took around fours hours to get this exercise done.

2. Describe the approach of your solution. Discuss aspects such as the network operations, error handling, overall design. Why did you choose this approach?

As all the previous I created three different functions where first connect to the course server , second one to handle the thread process and the other one handle the rest of the instruction. Since the 2.4 was bit similar to 3.1 .Therefore I implemented 2.4 by changing just the part of the select to thread, It was easier and take me less time. I have created separate thread for each request. I have realised that there were many threads and all were running simutaneously and sharing resources .
As in the instruction , the comparison between the 2.4 and 3.1 , I can say that the 2.4 was better than 3.1 in term of performance.

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

I had some failures such as I was passing the wrong socket descriptor for a new request as parameter to the function handling the thread that was resulting to timeout .I was also mismanaging the buffer since I forgot to convert the size to "htonl" that I read then I was sending the wrong size.As soon as I read the requirement once again I found out about my error and It was fixed.

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

I have learned basics of multiple processes and threads.I also learned what I was supposed to learn to get this assignment done .

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

I am happy with the current content in the course material and they help me to learn a lot through this assignment . They are very helpful.