

## Learing Diary exercise 1.2

1.How long did you work on the exercise?

I took approximately 5 hours in this exercises,because I need to learn lot of thing such different type of data type ,the memory management of the byte that I did not have any knowledge before.

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

I start coding step by step as mentioned in the instruction. The diagram helped me to understand the outcome otherwise I was in trouble with the text description .I always checked the method used if socket was successful in each step I used because that helps me to handle errors and quickly fix them if they occur.

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 but the most challenging were:

- 1- when I was packing binary numbers, I used `ntohl` by mistake for short integer type.
- 2- I had also the problem with sending the right value after calling the output function
- 3- My numbers in bynary receive from server comes in separate format , first one byte and next 11 bytes. I was trying to read 12 bytes at once. Later placed my send in the looploop.

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

The first exercise help me to start this well . So I did learn lot of things and I understand what I was supposed to understand because the lecture material was so descriptive and helpfull.

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

This exercise was very interesting it helped to understand how to pack and unpack data in the bynary format.