

C code report-assignment4

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When doing the homework, I have met some problem.

I didn't know what was the * mean, so I end up went to ask Jack for help and finally realized it.

In the first time, I tried to write the addition. To fix the digit problem, I aligned the digit in every for loop. However, I found that it was very complicated. Also, if I added zero in the null characters and reversed the array. Things would become easier.

program steps:

I set a "dict" array to change characters to numbers. Then, I added zero in the null characters and reversed the array. Also, I wrote functions named printChar, hex_addition, and hex_multiplication to print characters, make addition, and do the multiplication respectively. Finally, I printed sum, straight calculation and horizontal calculation in the format which the professor asked. Also, I verify correctness of the sum using decimal addition.