

Problem

During the making progress of the Hexadecimal addition and multiplication, I had encountered three main problems. First, the conversion between integer and character. Second, the use of the two-dimension array during the coding of the multiplication program. Third, how to move the string to the right and compensate 0 on the space areas.

How I develop my program

For the addition part, I reverse the string, add 0 on the space area and write a program about changing character to integer, then I started the addition digit by digit. After, print all the format and result, also checking the overflow. For the multiplication part, I also write a program about changing integer to character, reverse string and add 0. After initialize all the arrays, I define the lmax and lmin, then, I store the multiplication result into a two-dimension array. Finally, print out all the format and result.