

Hex_adder

1. input two string n1, n2 and find each string length using strlen(), if input equal to 0 then break.
2. define lenmax and lenmin by comparing numlen1 and numlen2, use for control loop times and last loop.
3. Add each individual digit from n1 and n2, using d_sum to store every n1[i]+n2[i], then let sum[i]=d_sum, and before doing calculation, consider each digit and return its decimal value.
4. If the last carry is 1, then move every digit backwards by 1, replace sum[0] with 1.
5. Print the calculating process and the decimal addition result by transfer n1,n2,sum into decimal. If the sum string length equal to 17, then print overflow message.

Hex_multiplier

1. input two string n1, n2, if input equal to 0 then break.
2. Multiply n1 and n2, using hex_multi function, transfer n1 and n2 decimal then do multiplication, then transfer sum into hexadecimal using sprintf().
3. Print the calculating process and the decimal multiplication result by transfer n1,n2,sum into decimal.