Dividing large numbers

ZPRAC-16-17-Lab7

[40 Points]
Dividing large numbers

ANNOUNCEMENT: Up to 20% marks will be allotted for good programming practice. These include
- Comments for non trivial code
- Indentation: align your code properly
- Use of Functions

In this problem you need to divide two numbers. Seriously, we're not joking. The catch is, the dividend will be of N digits such that it might not fit into any data type you know.

Input :

Two space separated numbers, dividend and divisor
Output :

Two space separated numbers, the quotient and the remainder

Examples :

Example 1: (for illustration purpose, the numbers will not be this small!)
Input:
60 7

Output:
8 4

Example 2:
Input:
543109237823560187 456

Output:
1191029030314824 443

Constraints

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0 < N < 1000 (number of digits of dividend)

0 < divisor < 1000