Splitwise

ZPRAC-16-17-Lab4

[25 points]

Rohan doesn't believe in small projects. He thinks big and is very fond of automated systems. He always gets frustrated by the fact that Rachita never returns anyone's money on time. He wants you all to implement a bill manager for his group that reads a list of debts and calculates a simplified bill as follows.

Question starts:
You are given a string of characters and numbers ending with '|'. The string is basically of the following format:

$(char)(char)(double)(char)(char)(double)|$

Each triplet $(char1)(char2)(double)$ represents a debt. It means $(char1)$ owes $(char2)$, $(double)$ amount of money.

The $(char)$ can be mapped to persons as follows:

'R' - Rohan
'r' - Rachita
'N' - Nishant
'H' - Harpreet
'B' - Bhuvesh
'S' - Shivam

You have to print out each member's total debt (positive or negative) in the order given above.
Output should be upto 6 decimal places.

Example:
INPUT:
rR1000rH345.6rN456rB2344rS456|
OUTPUT:
Rohan - -1000.000000
Rachita - 4601.600000
Nishant - -456.000000
Harpreet - -345.600000
Bhuvesh - -2344.000000
Shivam - -456.000000