Coding Arena

Problem : The power of compounding

Manish has realized the power of compounding. Since the days he started earning, he has diligently set aside a small corpus which he saves from his monthly salary and deposits in his bank account. Bank pays him interest every month. Manish is also a determined investor and refrains from withdrawing anything from this account because he now believes in power of compounding. Given investment corpus, fixed annual rate of interest and maturity period calculate the amount the Manish will end up saving at the end of his tenure.

Input Format:

First line contains investment corpus **P**
Second line contains rate of interest per annum **R**
Third line contains tenure **T** (in months)

Output Format:

Print the maturity amount after specified tenure in the format "Final_Amount <Value>"

Constraints:

P > 0 ; it can be float value

R >=0 ; it can be float value

T >0 ; it can be integer only

Calculation should be done upto 11-digit precision

Maturity amount should be printed, rounded off to its nearest integer value

Sample Input and Output

SNo.	Input	Output
1	25 4 6	Final_Amount 152
2	52.50 3.6 5	Final_Amount 265
3	500 3.6 MARCH	Invalid Input

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc

Note:

For C and C++, return type of main() function should be int.

Submit Answer

I , **CHANDRAMANI ADIL** confirm that the answer submitted is my own.

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