



Description

Compound Interest

Program Description

Given **Principal (P)** , **Rate of Interest (R)**, and **Time Period (T)**. Calculate the **Compound Interest (CI)**.

Note 1: Assume that interest is compounded annually for only once.

Note 2: Adjust the result to 2 decimal places after point

Input Format

Single line input contains three space-separated integers P, R, T-
Principal, Rate of Interest, Time Period respectively.

Output Format

Print the Compound Interest in decimal with 2 decimal places.

Constraints

1000<=P<=50000 1<=T<=5

Input-1

5400
8
3

Output-1

1402.45

Input-2

3000
6
2

Output-2

C - GCC 11.1.0 ▾

↻ Timer 0:06 sec



Light



```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int p,r,t;
6     scanf("%d %d %d",&p,&r,&t);
7     double CI=p*pow((1+r/100.0),t)-p;
8     printf("%.2lf",CI);
9     return 0;
10 }
```

 Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	5000 8 3	5000 8 3	1298.56	1298.56	1408 KB	3.553 ms	Pass
2	3000 6 2	3000 6 2	370.80	370.80	1408 KB	2.629 ms	Pass

All hidden testcases passed



Contact

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