

My Maya

Owl Code



Apt Logic

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Points: 40

Submissions: 8151



Light



## 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 annully 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

$1000 \leq P \leq 50000$   $1 \leq T \leq 5$

### 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



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```
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



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