CHALLENGE INFORMATION

You have already solved this challenge ! Though you can run the code with different logic !

Course	JAVA	Session	Input & Output	Question Information	Level 2 Challenge 4

Problem

Problem Description:

Ratik a young millionaire deposits $10000 into a bank account paying 7% simple interest per year.

He left the money in Bank for N years. He likes to predict the interest and the amount earned by him at the end of N years.

Can you help him to find the interest and amount resided in his bank acoount after N years?

Functional Description:

interest = (p * i * t) / 100 and

amount = p + interest.

where p is total principal, i is rate of interest per year, and t is total time in years.

Contraint:

$10000.00≤ p ≤$250000.00

$5.00 \leq i \leq 70.00$

$5 \leq t \leq 25$

Input Format:

Only Line of Input has three values representing Principle,Interest per year and Time in Investment of type float, float and integer respectively.

Output Format:

First Line: Print the interest earned for the principle amount in floating point format with 2 values after decimal point

Second Line: Print the Total amount earned including interest at the end of investment period in floating point format with 2 values after decimal point

Test Cases

Logical Test Cases

Test Case 1

INPUT (STDIN)

```
10000 7.8 5
```

EXPECTED OUTPUT

```
Interest after 5 Years = $3900.00
Total Amount after 5 Years = $13900.00
```

Test Case 2

INPUT (STDIN)

```
12500 9.3 7
```

EXPECTED OUTPUT

```
Interest after 7 Years = $8137.50
Total Amount after 7 Years = $20637.50
```

Mandatory Test Cases

Test Case 1

Test Case 2

Test Case 3

KEYWORD

p=input.nextFloat();

KEYWORD

i=input.nextFloat();

KEYWORD

t=input.nextInt();

Test Case 4

KEYWORD

System.out.println

Complexity Test Cases

Test Case 1

CYCLOMATIC COMPLEXITY

1

Test Case 2

TOKEN COUNT

148

Test Case 3

NLOC

17

Code Editor

You have already solved this challenge ! Though you can run the code with different logic !

Code Editor | JAVA SE 1.8 | Light Theme

```
1  import java.io.*;
2  import java.util.Scanner;
3  public class Class332241010280 {
4       public static void main(String[] args) {
5          Scanner input = new Scanner(System.in);
6          float p=input.nextFloat();
7          float i=input.nextFloat();
8          int t=input.nextInt();
9          double interest = (p * i * t) / 100;
10         double amount = p + interest;
```

Custom Input (stdin) | T1 | T2

Type Here

Output | MATCH T1 | MATCH T2