Total Earnings (Arithmetic Progression Example)

Time Limit: 20.0s **Memory Limit:** 64M

What is an Arithmetic Progression?

An arithmetic progression (AP) is a sequence of numbers such that the difference between the consecutive terms is constant. For instance, the sequence 50000, 60000, 70000, 80000, . . . is an arithmetic progression with a common difference of 10000.

Your program:

1. Calculates how much a person earns assuming they have a starting salary=A, and a constant yearly increase=D for N years.
2. Greate a program that takes a positive number A as its input for the starting salary.
3. Then input a positive number D for the yearly salary increase.
4. Then input a positive number N for the number of years to sum the salaries.
5. Calculate the sum of all salaries for N years.
6. Output the value of the sum.

Sample Input #1 ($A = 50000$, $D = 1500$, $N = 30$):

```
50000
1500
30
```

Sample Output #1 ($A = 50000$, $D = 1500$, $N = 30$):

```
2152500
```

Sample Input #2 ($A = 49123$, $D = 1234$, $N = 35$):

```
49123
1234
35
```

Sample Output #2 ($M = 999999$, $N = 1000000$):

2453535