

Check [Tutorial](#) tab to know how to to solve.

Task

The provided code stub reads two integers from STDIN, *a* and *b*. Add code to print three lines where:

- 1. The first line contains the sum of the two numbers.
- 2. The second line contains the difference of the two numbers (first - second).
- 3. The third line contains the product of the two numbers.

Example

a = 3
b = 5

Print the following:

8
-2
15

Input Format

The first line contains the first integer, *a*.
The second line contains the second integer, *b*.

Constraints

$1 \leq a \leq 10^{10}$
 $1 \leq b \leq 10^{10}$

Output Format

Print the three lines as explained above.

Sample Input 0

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Language

Python 3



```
1  if __name__ == '__main__':
2      a = int(input())
3      b = int(input())
4
5  print(a+b,a-b,a*b,sep='\n')
6
7
8
9
```

Line: 8 Col: 1

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Test against custom input