Asia-Pacific Informatics Olympiad 2021
22 - 23 May 2021
Indonesia

aplusb
APIO 2021 Practice Session Tasks
English (ISC)

A Plus B

Given two non-negative integers A and B, find the result of adding those two numbers.

Implementation Details

You should implement the following procedure:

```
int add_two_numbers(int A, int B);
```

- A: The first non-negative integer that is given.
- B: The second non-negative integer that is given.
- The procedure should return the result of adding the given two numbers.
- The procedure is called exactly once.

Examples

Example 1

Consider the following call:

```
add_two_numbers(1, 1)
```

This means that you are asked to find the result of adding 1 and 1. Following the definition of arithmetical addition, the result of $1 + 1 = 2$. Therefore, the procedure should return 2.

Example 2

Consider the following call:

```
add_two_numbers(2, 3)
```

This means that you are asked to find the result of adding 2 and 3. It can be shown that adding those two numbers will result in 5, therefore the procedure should return 5.

Constraints

- $0 \leq A, B \leq 100$

Subtasks

1. (20 points) $0 \leq A, B \leq 10$
2. (30 points) $B = 0$
3. (50 points) No additional constraints.

Sample Grader

The sample grader reads the input in the following format:

- line 1: A B

The output of the sample grader is in the following format:

- line 1: return value of `add_two_numbers`.