



# Functions

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Functions are a bunch of statements glued together. A function is provided with zero or more arguments, and it executes the statements on it. Based on the return type, it either returns nothing (void) or something.

A sample syntax for a function is

```
return_type function_name(arg_type_1 arg_1, arg_type_2 arg_2, ...) {  
    ...  
    ...  
    ...  
    [if return_type is non void]  
        return something of type `return_type`;  
}
```

For example, a function to read four variables and return the sum of them can be written as

```
int sum_of_four(int a, int b, int c, int d) {  
    int sum = 0;  
    sum += a;  
    sum += b;  
    sum += c;  
    sum += d;  
    return sum;  
}
```

You have to write a function `int max_of_four(int a, int b, int c, int d)` which reads four arguments and returns the greatest of them.

`+=` : Add and assignment operator. It adds the right operand to the left operand and assigns the result to the left operand.  
`a += b` is equivalent to `a = a + b`;

## Input Format

Input will contain four integers - ***a, b, c, d***, one in each line.

## Output Format

Print the greatest of the four integers.

PS: I/O will be automatically handled.

## Sample Input

```
3  
4  
6  
5
```

## Sample Output

```
6
```

Easy

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C++14

```
1 #include <iostream>
2 #include <cstdio>
3 using namespace std;
4
5 /*
6 Add `int max_of_four(int a, int b, int c, int d)` here.
7 */
8
9 int main() {
10     int a, b, c, d;
11     scanf("%d %d %d %d", &a, &b, &c, &d);
12     int ans = max_of_four(a, b, c, d);
13     printf("%d", ans);
14
15     return 0;
16 }
17
18
```

Line: 1 Col: 1

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Test against custom input

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