

# Functions in C



## Objective

In this challenge, you will learn simple usage of functions in C. 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;  
}
```

## Task

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.

Note: I/O will be automatically handled.

## Sample Input

```
3  
4  
6  
5
```

## Sample Output

```
6
```