

# Challenge: Fix the Code

Here is a coding challenge based on the concepts of the function parameters.

## WE'LL COVER THE FOLLOWING ^

- Problem statement
- Sample input
- Sample output
- Challenge

The program given below is trying to swap the values of two arguments but fails to do so.

## Problem statement #

Fix the `swap()` function so that the values of `a` and `b` are swapped.

## Sample input #

```
a = 1;  
b = 2;
```

## Sample output #

```
a = 2;  
b = 1;
```

## Challenge #

This problem is designed for you to practice, so try to solve it on your own first. If you get stuck, you can always refer to the explanation and solution provided in the next lesson. Good luck!

```
// Fix this code to swap the values of a and b
import std.stdio;
```



```
void swap(int first, int second) {
    int temp = first;
    first = second;
    second = temp;
}
```

```
void mainFunction() {
    int a = 1;
    int b = 2;

    swap(a, b);

    writeln("a = ",a);
    writeln("b = ",b);
}
```



Code to swap the values

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In the next lesson, you will find a solution to this coding challenge.