

## Swift – Swap Two Numbers

In this tutorial, we will go through Swift programs to swap two numbers.

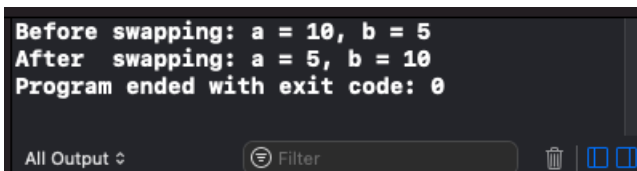
### Swift Program to Swap Numbers using Tuple Syntax

In the following program, we will use tuple syntax to swap integers in two variables.

**main.swift**

```
var a = 10
var b = 5
print("Before swapping: a = \(a), b = \(b)")
(a, b) = (b, a)
print("After swapping: a = \(a), b = \(b)")
```

**Output**



```
Before swapping: a = 10, b = 5
After swapping: a = 5, b = 10
Program ended with exit code: 0
```

All Output ◄ Filter [trash] [copy] [paste]

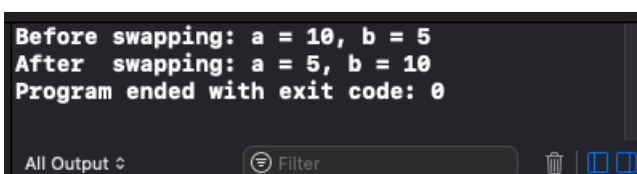
### Swift Program to Swap Numbers using Arithmetic Operators

In the following program, we will use Addition and Subtraction Operators to swap integers in two variables.

**main.swift**

```
var a = 10
var b = 5
print("Before swapping: a = \(a), b = \(b)")
a = a + b
b = a - b
a = a - b
print("After swapping: a = \(a), b = \(b)")
```

**Output**



```
Before swapping: a = 10, b = 5
After swapping: a = 5, b = 10
Program ended with exit code: 0
```

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## Conclusion

In this [Swift Tutorial](#), we learned how to find the factorial of a given number using for-in statement, recursion,

etc., with examples.

## Swift Tutorial

- ‡ [Swift Tutorial](#)
- ‡ [Swift Keywords](#)
- ‡ [Swift Comments](#)
- ‡ [Swift If](#)
- ‡ [Swift If-Else](#)
- ‡ [Swift For Loop](#)
- ‡ [Swift While Loop](#)
- ‡ [Swift forEach](#)
- ‡ [Swift Repeat While Loop](#)
- ‡ [Swift Break](#)
- ‡ [Swift Continue](#)
- ‡ [Swift Tuple](#)
- ‡ [Swift Enum](#)
- ‡ [Swift Structure](#)

## Strings

- ‡ [Swift - Substring](#)
- ‡ [Swift - Concatenate Strings](#)

## Arrays

- ‡ [Swift Array Initialization](#)
- ‡ [Swift Print Array](#)
- ‡ [Swift Integer Array](#)
- ‡ [Swift append Integer to Array](#)
- ‡ [Swift String Array](#)
- ‡ [Swift append String to Array](#)
- ‡ [Swift Get Array Size - count](#)
- ‡ [Swift Remove an Element from Array](#)
- ‡ [Swift Append / Concatenate Arrays](#)
- ‡ [Swift Check if an Array is Empty](#)

## Dictionaries

- ‡ [Swift Dictionary](#)
- ‡ [Swift - Create Dictionary](#)

‡ Swift - Create Dictionary using Arrays

‡ Swift - Iterate through Dictionary

‡ Swift - Get Dictionary Size

‡ Swift - Check if Dictionary is Empty

‡ Swift - Add or Append Element to Dictionary

‡ Swift - Get value using key in Dictionary

‡ Swift - Check if a key is present in Dictionary

‡ Swift - Merge Two Dictionaries

‡ Swift - Convert Dictionary into Arrays of Keys and Values

‡ Swift - Print all Keys in a Dictionary

## Sets

‡ Swift Print Set

‡ Swift Get Set Size

‡ Swift Insert Element to Set

‡ Swift Check if Element is present in Set

## File Operations

‡ Swift Read Text File

## Swift Errors [Solved]

‡ Swift error: return from initializer without initializing all stored properties

‡ Swift - struct error: missing argument labels in call