

Swift AND Operator

Swift AND

Swift AND Operator `&&` is used to perform logical AND operation on two boolean operands.

`&&` symbol is used for Logical AND Operator in Swift.

AND Operator takes two boolean values as operands and returns the logical AND of the two operands.

The syntax of AND Operator with the two boolean operands is

```
operand1 && operand2
```

Truth Table

The following truth table provides the output of AND operator for different values of operands.

operand1	operand2	operand1 && operand2
true	true	true
true	false	false
false	true	false
false	false	false

AND Operation returns true only if both the operands are true, else it returns false.

Example

In the following Swift program, we will take different boolean values for operands and find the result of AND operation on these operands.

main.swift

```
var a: Bool
var b: Bool
var result: Bool

a = true
b = true
result = a && b
print("\(a) && \(b) = \(result)")

a = true
b = false
result = a && b
print("\(a) && \(b) = \(result)")

a = false
b = true
result = a && b
print("\(a) && \(b) = \(result)")

a = false
b = false
result = a && b
print("\(a) && \(b) = \(result)")
```

Output

```
true && true = true
true && false = false
false && true = false
false && false = false
```

Conclusion

Concluding this [Swift Tutorial](#), we learned what Swift AND Logical Operator is, and the output of AND Operation for different boolean values as operands, with the help of swift program.

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