

# How to check if Strings are Equal in Go?

## Go – Check if Strings are Equal

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To check if strings are equal in Go programming, use equal to operator `==` and provide the two strings as operands to this operator. If both the strings are equal, equal to operator returns true, otherwise the operator returns false.

We can also use `strings.Compare(string, string)` function to check if the strings are equal. If the two strings are equal, then `strings.Compare()` function returns an integer value of `0`. We may use this as a condition to check if strings are equal.

Please note that using Equal to Operator is better than compared to `strings.Compare()` in terms of performance.

In this tutorial, we go through examples for each of the above methods.

## Examples

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In the following program, we take two string values in `str1` and `str2`. We check if these two strings are equal using equal to operator.

**example.go**

```
package main

import "fmt"

func main() {
    str1 := "Abc"
    str2 := "Abc"
    result := str1 == str2
    fmt.Println("Are the two strings equal: ", result)
}
```

## Output

```
Are the two strings equal: true
```

Since equal to operator returns a boolean value, we can use the expression `str1 == str2` as a condition for [if statement](#).

### example.go

```
package main

import "fmt"

func main() {
    str1 := "Abc"
    str2 := "Abc"
    if str1 == str2 {
        fmt.Println("The two strings are equal.")
    } else {
        fmt.Println("The two strings are not equal.")
    }
}
```

### Output

```
The two strings are equal.
```

Now, let us use strings.Compare(string, string) function, to check if strings are equal.

### example.go

```
package main

import (
    "fmt"
    "strings"
)

func main() {
    str1 := "Abc"
    str2 := "Abc"
    if strings.Compare(str1, str2) == 0 {
        fmt.Println("The two strings are equal.")
    } else {
        fmt.Println("The two strings are not equal.")
    }
}
```

### Output

```
The two strings are equal.
```

## Conclusion

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In this [Golang Tutorial](#), we learned how to check if two strings are equal, with the help of example programs.

## **Golang**

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## **Golang String Operations**

- ◆ [Golang String Length](#)
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