

# How to create String Array in Go?

## Go – Create String Array

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In this tutorial, we will learn how to create a String array in Go: declare and initialize a string array. There are few methods based on whether we declare and initialize the array in one statement or separately.

To declare a string array `arrayName` , with size `arraySize` , use the following syntax.

```
var arrayName [arraySize]string
```

And to assign values for this array elements, we can use array-index notation as shown below.

```
arrayName[index] = someValue
```

In the following example, we will declare a string array `strArr` of size `3` , and then assign values to the elements of this string array.

### example.go

```
package main

import "fmt"

func main() {
    var strArr [3]string
    strArr[0] = "Abc"
    strArr[1] = "Xyz"
    strArr[2] = "Mno"
    fmt.Println(strArr)
}
```

### Output

```
[Abc Xyz Mno]
```

To create String Array, which is to declare and initialize in a single line, in Go programming language, we can use the syntax of [array to declare and initialize in one line](#) as shown in the following.

```
arrayName := [arraySize] string {value1, value2}
```

where

- `arrayName` is the variable name for this string array.
- `arraySize` is the number of elements we would like to store in this string array.
- `string` is the datatype of the items we store in this array, which of course is `string`.
- `value1`, `value2` and so on are the initial values we would like to initialize this array with.

In the following example, we will declare and initialize a string array `strArr` of size 3 in a single line.

### example.go

```
package main

import "fmt"

func main() {
    strArr := [3]string{"Abc", "Xyz", "Mno"}
    fmt.Println(strArr)
}
```

### Output

```
[Abc Xyz Mno]
```

## Conclusion

In this [Golang Tutorial](#), we learned how to create a string array, with the help of example programs.

### Golang

- ◆ [Golang Tutorial](#)
- ◆ [Run Golang Program](#)
- ◆ [Golang If Else](#)
- ◆ [Golang Switch](#)
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◆ Golang Struct

◆ Golang Class

◆ Golang Range

◆ Golang Map

◆ Golang Goroutine

◆ Golang Channel

### **Golang String Operations**

◆ Golang String Length

◆ Golang String Concatenation

◆ Golang Split String

◆ Golang String - Get Index of Substr

◆ Golang String to Uppercase

◆ Golang String to Lowercase

◆ Golang Convert String to Integer