

# How to create a String variable in Swift?

## Swift – Create String Variable

To create a String variable in Swift, declare the variable as String, or assign empty string to the variable, or assign new String instance to the variable.

In the following code snippet, we declare a variable `name` of type String.

```
var name: String
```

In the following code snippet, we define a variable `name` and assign an empty string value.

```
var name = ""
```

In the following code snippet, we define a variable `name` and assign a new instance of String.

```
var name = String()
```

Let us now programmatically print the type of the variable to output, and check if the type of the variable is String or not.

First, we will start with the process of explicit declaration of the variable as String.

**main.swift**

```
import Foundation  
  
var name: String  
print(type(of: name))
```

We used `type(of:)` generic function to get the data type of the variable.

**Output**

```
String
```

Now, assign empty string to the variable, and check if the type of the variable is String.

**main.swift**

```
import Foundation  
  
var name = ""  
print(type(of: name))
```

## Output

String

Now, we will check for new `String` assignment process.

### main.swift

```
import Foundation  
  
var name = String()  
print(type(of: name))
```

## Output

String

In all the three cases, we have determined that the variable is of type String.

## Conclusion

Conclusion this [Swift Tutorial](#), we learned how to declare or create a String variable in Swift, in different ways, with the help of examples.

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## Swift Errors [Solved]

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

‣ Swift - struct error: missing argument labels in call