

Julia Strings

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A String is a finite sequence of characters.

In this tutorial, we will learn how to initialize a String and some of the basic operations with Strings like concatenation and interpolation.

Initialization

String literals are defined with the string in double quotes `" "` or triple double quotes `""" """`.

script.jl

```
s1 = "I am a string."  
println(s1)  
s2 = """I am also a string."""  
println(s2)
```

Output

```
I am a string.  
I am also a string.
```

Concatenate Strings

You can concatenate two or more Strings in Julia using `string(str1, str2, ...)` function.

In this example, we will concatenate two strings.

script.jl

```
s1 = "There are seven continents";  
s2 = " and five oceans.";  
s3 = string(s1, s2)  
println(s3)
```

Output

Output

```
There are seven continents and five oceans.
```

In this example, we take four strings and concatenate them in a single statement.

script.jl

```
s1 = "There are seven continents";  
s2 = " and five oceans.";  
s3 = " This is third string.";  
s4 = " This is fourth.";  
resultStr = string(s1, s2, s3, s4)  
println(resultStr)
```

Output

```
There are seven continents and five oceans. This is third string. This is fourth.
```

String Interpolation

Dollar sign `$` can be used to insert existing variables into a string literal and evaluate expressions within the string itself.

script.jl

```
a = 7  
b = 5  
str = "a is $a. b is $b. a*b is $(a*b)";  
println(str)
```

Output

```
a is 7. b is 5. a*b is 35
```

In this example, we have done an arithmetic operation inside the string using string interpolation.

Conclusion

In this [Julia Tutorial](#), we learned about Strings in Julia, how to initialize a string, interpolate a string, etc.

Julia Basics

- ◆ Julia Variables
- ◆ Julia Arithmetic Operators
- ◆ Julia Bitwise Operators
- ◆ Julia For Loop
- ◆ Julia While Loop
- ◆ Julia Comments

⇒ Julia Strings

Julia Mathematical Functions

- ◆ Julia Plots
- ◆ Julia Save Plot as JPG or PNG

Julia Mathematical Functions

- ◆ Julia Square Root
- ◆ Julia Cube Root
- ◆ Julia Hypotenuse
- ◆ Julia Exponential