Concatenate Strings in R programming language

In this tutorial, we will learn how to Concatenate Strings in R programming Language.

To concatenate strings in r programming, use paste() function. The syntax of paste function that is used to concatenate two or more strings.

```
paste(..., sep="",
collapse=NULL)
```

```
paste(..., sep="", collapse=NULL)
```

where

paste	is the keyword
...	input strings separated by comma
sep	is a character that would be appended between two adjacent strings and acts as a separator
collapse	is an optional character to separate the results

Concatenate two or more Strings in R

While concatenating strings in R, we can choose the separator and number number of input strings. Following examples demonstrate different scenarios while concatenating strings in R using `paste()` function.

Example: Concatenate Strings in R

In this example, we will use paste() function with default separator.

Concatenate two strings

```
# Example R program
to concatenate two
```

```
# Example R program to concatenate two strings

str1 = 'Hello'
str2 = 'World!'

# concatenate two strings using paste function
result = paste(str1,str2)

print (result)
```

Output

```
$ Rscript
```

```
$ Rscript r_strings_concatenate_two.R
[1] "Hello World!"
```

The default separator in paste function is space `" "`. So ‘Hello’ and ‘World!’ are joined with space in between them.

Example: Concatenate Strings in R with no separator

In this example, we shall use paste() function with the separator as emtpy, i.e., `sep=""`.

Concatenate two strings with custom separator

```
# Example R program
```

```
# Example R program to concatenate two strings

str1 = 'Hello'
str2 = 'World!'

# concatenate two strings using paste function
result = paste(str1,str2,sep="")

print (result)
```

Output

```
$ Rscript
```

```
$ Rscript r_strings_concatenate_two.R
[1] "HelloWorld!"
```

Please observe that we have overwritten default separator in paste function with “”. So ‘Hello’ and ‘World!’ are joined with nothing in between them.

Example: Concatenate Multiple Strings

In this example, we shall use paste() function with the separator as hyphen, i.e., `sep="-"` and also we take multiple strings at once.

concatenate more than two strings

```
# Example R program
```

```
# Example R program to concatenate two strings

str1 = 'Hello'
str2 = 'World!'
str3 = 'Join'
str4 = 'Me!'

# concatenate two strings using paste function
result = paste(str1,str2,str3,str4,sep="-")

print (result)
```

Output

```
$ Rscript
```

```
$ Rscript r_strings_concatenate_multiple.R
[1] "Hello-World!-Join-Me!"
```

You may provide as many strings as required followed by the separator to the R paste() function to concatenate.

Concluding this R Tutorial, we have learned to concatenate two or more strings using paste() function with the help of example programs.

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