



Tutorial Link <https://course.testpad.chitkara.edu.in/tutorials/Linux - Script Parameters/60cca130cfaf5f6628f2d431>

TUTORIAL

Linux - Script Parameters

Topics

1.1 Script Parameters

Script Parameters

Users often need to pass parameter values to a script, such as a filename, date, etc. Scripts will take different paths or arrive at different values according to the parameters (command arguments) that are passed to them. These values can be text or numbers as in:

```
$ ./script.sh /tmp  
$ ./script.sh 100 200
```

Within a script, the parameter or an argument is represented with a \$ and a number or special character. The table lists some of these parameters.

Parameter meaning

\$0 : Script name

\$1 : First parameter

\$2, \$3, etc. : Second, third parameter, etc.

\$* : All parameters

\$# : Number of arguments

Using Script Parameters

In below script, the parameters are used to show an example:

```
# Start writting your script
#!/bin/bash
echo The Script is saved with name : $0
echo The 1st argument passed to script is : $1
echo The 2nd argument passed to script is : $2
echo The 3rd argument passed to script is : $3
echo Total number of parameters passed is : $#
echo All passed parameters are : $*
echo This is the last line of script $0
```

If you save it as demoscrypt.sh and execute as below:

```
$ ./demoscript.sh Hello Code Quotient
$0 prints the script name: demoscrypt.sh
$1 prints the first parameter: Hello
$2 prints the second parameter: Code
$3 prints the third parameter: Quotient
$# prints the total number of arguments: 3
$* prints all passed parameters: Hello Code Quotient
```

It will produce an output as shown:

```
The Script is saved with name : demoscrypt.sh
The 1st argument passed to script is : Hello
The 2nd argument passed to script is : Code
The 3rd argument passed to script is : Quotient
Total number of parameters passed is : 3
All passed parameters are : Hello Code Quotient
This is the last line of script demoscrypt.sh
```



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