



Tutorial Link <https://course.testpad.chitkara.edu.in/tutorials/Linux - Functions in scripting/60cca932cfaf5f6628f2d43c>

TUTORIAL

Linux - Functions in scripting

Topics

- 1.1 Functions
- 1.2 Functions
- 1.3 Parameters
- 1.4 Function Parameters
- 1.5 Functions-Example
- 1.6 Example

Functions

A function is a code block that implements a set of operations. Functions are useful for executing procedures multiple times, perhaps with varying input variables. Functions are also often called subroutines. Using functions in scripts requires two steps:

- Declaring a function
- Calling a function.

The function declaration requires a name which is used to invoke it. The proper syntax is:

```
function_name ()  
{  
    command...  
}
```

For example, the following function is named display:

```
display ()  
{
```

```
    echo "CodeQuotient - Get better at coding."  
}
```

The function can be as long as desired and have many statements. Once defined, the function can be called later as many times as necessary.

Functions

```
1 display ()  
2 {  
3     echo "CodeQuotient - Get better at coding."  
4 }  
5 display  
6 display  
7 display  
8
```

Bash

Parameters

We can also pass an argument to the function. The first argument can be referred to as \$1, the second as \$2, etc. For example,

Function Parameters

```
1 display ()  
2 {  
3     echo "CodeQuotient - Get better at coding." $1  
4 }  
5 display Gopal  
6 display Arun  
7 display Amit
```

Bash

Functions-Example

In the following script, we passed a number to script and the script will print the weekday belonging to it.

Example

```
1 findweekday ()
2 {
3     if [ $1 == 1 ] ; then
4         echo Monday
5     elif [ $1 == 2 ] ; then
6         echo Tuesday
7     elif [ $1 == 3 ] ; then
8         echo Wednesday
9     elif [ $1 == 4 ] ; then
10        echo Thursday
11    elif [ $1 == 5 ] ; then
12        echo Friday
13    elif [ $1 == 6 ] ; then
14        echo Saturday
15    elif [ $1 == 7 ] ; then
16        echo Sunday
17    else
18        echo Wrong Number
19    fi
20 }
21 findweekday 2
22 findweekday 6
23 findweekday 9
24 findweekday 1
25
```

Bash



Tutorial by codequotient.com | All rights

reserved, CodeQuotient 2025