

# How to find string length in Bash Shell Scripting?

In this tutorial, you will learn three different ways to find length of string in Bash-

1. Using `${#string}` - This method is used to find the number of elements in an array.
2. Using `expr length "$string"`
3. Using `expr "$string" : ".*"` - Make sure there is a space before and after colon(:) otherwise it will concatenate both of them.

**Note:** You have to use backquote(`) to store the output of `expr` command in a variable.

## Example1: Bash Script to find the length of a string using `${#string}`

```
mystring="Learn Bash Shell Scripting"
len=${#mystring}
echo "Length of '$mystring' is $len"
```

Output of the above program-

```
Length of 'Learn Bash Shell Scripting' is 26
```

## Example2: Bash Script to find string length using `expr length "$string"`

```
mystring="I am learning Bash Shell"
len=`expr length "$mystring"`
echo "Length of '$mystring' is $len"
```

Output of the above program-

```
Length of 'I am learning Bash Shell' is 24
```

## Example3: Bash Script to find the length of a string using `expr "$string" : ".*"`

```
mystring="Bash Shell Scripting is amazing"
len=`expr "$mystring" : ".*"`
echo "Length of '$mystring' is $len"
```

Output of the above program-

```
Length of 'Bash Shell Scripting is amazing' is 31
```