

# for & foreach loops in Perl

**Talk to a Teacher**

**<http://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

**Amol Brahmkar**

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# Learning Objective

**In this tutorial, we will learn**



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**In this tutorial, we will learn**

- ▶ **for loop in Perl**



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- ▶ foreach loop in Perl



# System Requirements

- ▶ **Ubuntu Linux 12.04 OS**



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- ▶ **Perl 5.14.2**



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- ▶ **Perl 5.14.2**
- ▶ **gedit Text Editor**



# Pre-requisites

- ▶ **Basic knowledge of Variables and Comments in Perl**





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- ▶ Basic knowledge of Variables and Comments in Perl
- ▶ If not, please go through the relevant spoken tutorials on <http://spoken-tutorial.org>



# Loops in Perl

**Perl provides a mechanism**

- ▶ **by which we can check a condition repeatedly**



# Loops in Perl

Perl provides a mechanism

- ▶ by which we can check a condition repeatedly
- ▶ for various values



# Loops in Perl

Perl provides a mechanism

- ▶ by which we can check a condition repeatedly
- ▶ for various values
- ▶ using loops



# Loops in Perl

**There are various types of loops in Perl:**

- ▶ **for loop**



# Loops in Perl

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# Loops in Perl

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- ▶ **foreach loop**
- ▶ **while loop**



# Loops in Perl

**There are various types of loops in Perl:**

- ▶ **for loop**
- ▶ **foreach loop**
- ▶ **while loop**
- ▶ **do-while loop**





# for loop

**for** loop can be used

- ▶ to execute a piece of code for certain number of times



# for loop syntax is

```
for(initialization;condition;increment)
{
    Piece of code to be executed
    multiple times
}
```



# foreach loop

**foreach** loop can be used

- ▶ to iterate a condition over an array



# foreach loop syntax is

```
foreach $variable (@array)
{
    Perform action on each element of
    array
}
```



# Please Note

**We'll cover**

- ▶ **array, array initialization and defining an array**



# Please Note

**We'll cover**

- ▶ **array, array initialization and defining an array**
- ▶ **in subsequent tutorials**



# Summary

In this tutorial we learnt,

- ▶ for loop
- ▶ foreach loop
- ▶ using some sample programs



# Assignments

- ▶ Declare a string as 'Tutorial' and print it 5 times
- ▶ Declare array of color as  
`@colorArray = ('red', 'white', 'blue')`
- ▶ Print the element of an array using `foreach` loop





# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project



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- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

