

Variables in Perl

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objective

In this tutorial, we will learn



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In this tutorial, we will learn

- ▶ **Variables in Perl**



System Requirements

- ▶ **Ubuntu Linux 12.04 OS**



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- ▶ **Perl 5.14.2**
revision 5 version 14 subversion 2



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



Variables in Perl

- ▶ **Variables are used for storing values, like**



Variables in Perl

- ▶ **Variables are used for storing values, like**
 - ▶ **text strings**



Variables in Perl

- ▶ **Variables are used for storing values, like**
 - ▶ text strings
 - ▶ **numbers**



Variables in Perl

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 - ▶ text strings
 - ▶ numbers
 - ▶ arrays



Variables in Perl

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 - ▶ text strings
 - ▶ numbers
 - ▶ arrays
- ▶ **Once a variable is declared,**



Variables in Perl

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 - ▶ numbers
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- ▶ **Once a variable is declared,**
 - ▶ it can be used over and over again



Variables in Perl

- ▶ **Variables are used for storing values, like**
 - ▶ text strings
 - ▶ numbers
 - ▶ arrays
- ▶ **Once a variable is declared,**
 - ▶ it can be used over and over again
 - ▶ **in the script**



Scalars

- Scalar represents a single value



Scalars

- ▶ Scalar represents a single value
- ▶ It can store scalars only



Scalars

- ▶ Scalar represents a single value
- ▶ It can store scalars only
- ▶ Scalar variables are declared using \$ symbol



Variable Declaration

Variable can be declared as follows:

```
$priority;
```



Variable Declaration

Variable can be declared as follows:

```
$priority;
```

- ▶ **Variable names can have several formats**



Variable Declaration

Variable can be declared as follows:

```
$priority;
```

- ▶ **Variable names can have several formats**
- ▶ **Variables must begin with a letter or underscore (_)**



Variable Declaration

It may contain

- ▶ letters



Variable Declaration

It may contain

- ▶ letters
- ▶ **digits**



Variable Declaration

It may contain

- ▶ letters
- ▶ digits
- ▶ **underscores (_)**



Variable Declaration

It may contain

- ▶ letters
- ▶ digits
- ▶ underscores (_)
- ▶ combination of above three



Variable Declaration

- ▶ **Variables declared with CAPITAL letters**



Variable Declaration

- ▶ Variables declared with **CAPITAL** letters
- ▶ have special meaning in Perl



Variable Declaration

- ▶ Variables declared with **CAPITAL** letters
- ▶ have special meaning in Perl
- ▶ So avoid declaring variables using **CAPITAL** letters



Operations on Variables

All mathematical operations can be done on these variables like,



Operations on Variables

All mathematical operations can be done on these variables like,

- ▶ **addition**



Operations on Variables

All mathematical operations can be done on these variables like,

- ▶ **addition**
- ▶ **subtraction**



Operations on Variables

All mathematical operations can be done on these variables like,

- ▶ **addition**
- ▶ **subtraction**
- ▶ **multiplication**



Operations on Variables

All mathematical operations can be done on these variables like,

- ▶ **addition**
- ▶ **subtraction**
- ▶ **multiplication**
- ▶ **division**



Summary

In this tutorial we learnt how to

- ▶ **Declare and use scalar variables in Perl**



Assignments

- ▶ **Declare a number variable.**
- ▶ **Assign 10 to it.**
- ▶ **Print the variable declared.**
- ▶ **Declare 2 string variables.**
- ▶ **Assign these values to them - 'Namaste' and 'India'.**
- ▶ **Print those string variables.**



About the Spoken Tutorial Project

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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



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- ▶ More information on this Mission is available at

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

