

About the Spoken Tutorial project

- Self explanatory - uses simple language
- Audio-video - uses multisensory approach
- Small duration - has better retention
- Learner-centered - learn at your own pace
- Learning by doing - learn and practice
- Simultaneous empowerment - learn a new FLOSS

Target Audience

- Programmers
- Software Developers
- Web Developers

The Spoken Tutorial Project Team conducts workshops on Perl and other FLOSS using spoken tutorials and gives certificates to those who pass an online test.

For more details, please write to contact@spoken-tutorial.org

The Spoken Tutorial Project is funded by the National Mission on Education through Information and Communication Technology, Ministry of Human Resource Development, Government of India.

Contact US:

Email: contact@spoken-tutorial.org

Website: <https://spoken-tutorial.org>



Spoken Tutorial by IIT Bombay is licensed under a Creative Commons AttributionShareAlike 4.0 International License

All trademarks within this document belong to their legitimate owners



Spoken Tutorial
<https://spoken-tutorial.org>



Perl

**National Mission on Education through
Information and Communication Technology
(NMEICT)**
www.sakshat.ac.in
Funded by MHRD, Government of India.

Introduction

- Perl is Practical Extraction and Reporting Language
- It is a free and open source language
- It is used for system administration, network programming, web applications and developing a variety of software applications

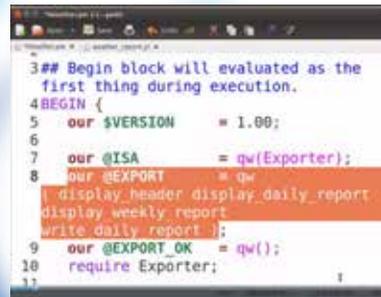
Download and Installation

- Perl is preinstalled in Ubuntu Linux OS
- Download Perl for Windows from <https://www.perl.org>

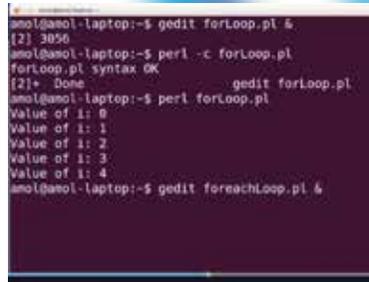
Features

- Perl works on Linux, Windows and Mac operating system
- Perl is very easy to learn
- It is extremely portable. It can run on any operating system that has Perl interpreter installed, so it is platform independent
- It supports both procedural and object-oriented programming
- Perl will be the best language which is good in File handling, text processing and output reporting

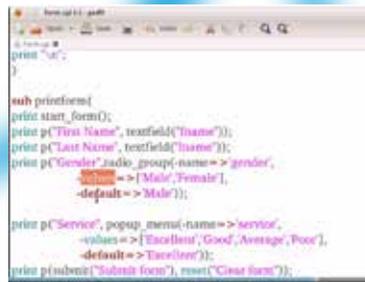
- Perl is extensible. There are over 20,000 third party modules available from the Comprehensive Perl Archive Network(CPAN)
- Perl works with HTML, XML and other mark-up languages
- Perl has a database integration interface that supports several widely used relational database management systems (RDMBS) such as ORACLE, MySQL, Sybase and PostgreSQL



```
3## Begin block will evaluated as the
  first thing during execution.
4BEGIN {
5  our $VERSION      = 1.00;
6
7  our @ISA          = qw(Exporter);
8  our @EXPORT       = qw
  display_header display_daily_report
  display_weekly_report
  write_daily_report ;
9  our @EXPORT_OK    = qw();
10 require Exporter;
11
```



```
anol@anol-laptop:~$ gedit forLoop.pl &
[2] 3056
anol@anol-laptop:~$ perl -c forLoop.pl
forLoop.pl syntax OK
[2]+ Done gedit forLoop.pl
anol@anol-laptop:~$ perl forLoop.pl
Value of i: 0
Value of i: 1
Value of i: 2
Value of i: 3
Value of i: 4
anol@anol-laptop:~$ gedit foreachLoop.pl &
```



```
sub printform{
  print start_form();
  print p("First Name", textfield("name"));
  print p("Last Name", textfield("name"));
  print p("Gender", radio_group(name=> "gender",
  -label=> "Male/Female",
  -default=> "Male"));
  print p("Service", popup_menu(name=> "service",
  -values=> ["Excellent", "Good", "Average", "Poor"],
  -default=> "Excellent"));
  print p(submit("Submit form"), reset("Clear form"));
}
```

Spoken Tutorials in Perl Series

Basic Level Tutorials

- Overview and Installation of Perl
- Variables in Perl
- Comments in Perl
- for – for each loops
- while – do while do loops
- Conditional statements
- More conditional statements
- Data Structures
- Arrays
- Array functions
- Hash in Perl
- Functions in Perl
- Blocks in Perl

Intermediate Level Tutorials

- Access Modifiers in Perl
- Referencing and Dereferencing
- Special Variables in Perl
- File Handling
- Exception and error handling in Perl
- Including files or modules
- Sample Perl Program
- Perl Module Library(CPAN)
- Downloading CPAN Module
- Perl and HTML