Perl Programming Ed 3 NEW

Duration: 5 Days

What you will learn

The Perl Programming course is a comprehensive course that explains the Perl programming language, from basic through advanced syntax. This course is aimed at a wide range of job roles, including Programmers, System Administrators, Web Authors, and Operators. The course provides the fundamentals needed to use the Perl programming
language to write quick yet powerful scripts for a range of purposes, as well as provides an overview of Common Gateway
Interface Programming, Object-Oriented Perl and Perl Debugging.
The course is taught on the Oracle Solaris Operating Environment. However, the material is suitable for any operating system, including Linux, UNIX, and Windows.

Learn To:

Describe the Perl Programming Language.
Implement Scalars.
List Control Structures.
Implement Arrays.
Describe Hashes.
Implement Basic I/O and Regular Expressions.
Describe Subroutines and Modules.
Manipulate Files and Directories.
Implement Perl.

Benefits To You

The Perl Programming course provides students with the fundamentals to create functional Perl scripts. The course introduces students to data structures, flow control mechanisms, regular expressions, and subroutines and modules in the form of example scripts and lab scripts. The course concludes with an overview of implementing Perl with regard to Common Gateway Interface (CGI) Programming, Object-Oriented Perl and Perl Debugging.
This course however, does not cover the construct of the Perl Programming Language itself or complex Perl functions used for high-level programming. Rather, it focuses mainly on the implementation of the language to create simple and functional Perl scripts.

Audience

Application Developers
Developer

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System Administrator
Web Administrator

Related Training

Required Prerequisites

Create and edit text files in vi or another available text editor.

Run basic UNIX commands like rm, cp, man, more, mkdir, ps, and chmod on Oracle Solaris or equivalent commands in any other UNIX platform.

Suggested Prerequisites
Experience with shell scripting (Bourne/Korn)

Exposure to any other programming language (C, C++, Java)

Course Objectives

Describe the Perl Programming Language

Implement Scalars Data Structures

List Control Structures

Implement Arrays

Describe Hashes

Implement Basic I/O and Regular Expressions

Describe Subroutines and Modules

Manipulate Files and Directories

Implement Perl

Course Topics

Describing the Perl Programming Language
Introduction to Perl
Basic Elements of Perl Scripting
Command-line Options used with perl
Perl Documentation and Help

Implementing Scalars
Scalars
Assignment of Scalar Data to Scalar Variables

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Scalar Operators
Strings

Listing Control Structures
if Statements
Loops
Loop Control Statements

Implementing Arrays
Arrays
Array Functions
Back Quotes and Command Execution
Scalar and List Context

Implementing Hashes
Hashes
Hash Functions
Iterations on Hashes
Operations on Hash Elements

Implementing Basic I/O and Regular Expressions
Basic I/O and Regular Expressions
Patterns
Anchors and Quantifiers
Capturing, Back-Referencing and Greediness
Substitute Operator
Translation Operator
Other Features of Match Operations

Describing Subroutines and Modules
Subroutines
Scope
Libraries
Packages
Modules

Manipulating Files and Directories
Opening and Reading Files
Writing to Files
Process and System Commands
Creating a Basic Text Database
File and Directory Tests
Reading Directory Contents

Implementing Perl
CGI Programming
Object-Oriented Perl Programming
Perl Debugger

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