

# Perl Programming Ed 3

## **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
- 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