



Software Learning Centers
1645 SE. Port St. Lucie Blvd
Port St. Lucie, Florida 34952
PHONE: 772.337.4005 FAX: 772.337.0870



A Division of Moore Solutions inc

Perl Programming

Course specifications

Course length: 5 day(s)

Course description

Overview: Students will learn a solid grasp of the fundamental characteristics of the Perl Programming language.

Prerequisites: Familiarity with UNIX is required. An understanding of procedural programming or shell scripting is beneficial.

Delivery method: Instructor-led, group-paced, classroom-delivery learning model with structured independent or partnered exercises following each lesson.

Benefits: Students will learn how to use Perl as a scripting tool.

Target student: This course is intended for developers and system administrators who wish to develop systems or application programs on either Unix or Windows 95/NT platforms using the Perl programming language.

Performance-based objectives

Lesson objectives help students become comfortable with the course, and also provide a means to evaluate learning. Upon successful completion of this course, students will be able to:

- Describe the advantages of using the Perl language.
- Differentiate between interpretive and compiled code.
- Describe where Perl scripts are used.
- Debug Perl programs.
- Employ object-oriented programming techniques.

MSi Software Learning Centers ■ MSi Networking Services ■ MSi Database Services

Divisions of Moore Solutions Inc

Visit Our Web Site www.mooresolutions.com



Software Learning Centers
1645 SE. Port St. Lucie Blvd
Port St. Lucie, Florida 34952
PHONE: 772.337.4005 FAX: 772.337.0870



A Division of Moore Solutions inc

Perl Programming

Course content

Lesson 1: Getting Started

- Running Perl Programs
- Basic Statement Syntax
- Comments, Variables, Basic Operators and Functions
- Reading from Standard Input, Writing to Standard Output and Error

Lesson 2: Operators

- Arithmetic, Assignment, Relational, Logical, Bitwise, and String
- Precedence and Associativity

Lesson 3: Flow Control

- True and False in Perl
- warn(), die() and exit() Functions
- The while and until Loops
- The for and foreach Loops
- The next, last, and redo Statements

Lesson 4: Working with Scalars

- Scalar Variables and Values
- Conversions Between Numbers and Strings

Lesson 5: Working with Lists

- List Variables and Elements
- Working with List Ranges and Slices
- Sorting a List
- List/String Conversion
- Reading a List from Standard Input

Lesson 6: Working with Hashes

- Adding, Deleting and Referencing Hash Elements
- Getting Lists of Hash Keys and Values

Lesson 7: Reading and Writing to Files

MSi Software Learning Centers ■ MSi Networking Services ■ MSi Database Services

Divisions of Moore Solutions Inc

Visit Our Web Site www.mooresolutions.com



Software Learning Centers
1645 SE. Port St. Lucie Blvd
Port St. Lucie, Florida 34952
PHONE: 772.337.4005 FAX: 772.337.0870



A Division of Moore Solutions inc

- Opening a File
- Determining File Status
- Creating and Using Pipes

Perl Programming

Course content

Lesson 8: Pattern Matching

- Pattern Matching Options
- The Substitution Operator
- The Translation Operator

Lesson 9: Creating and Using Subroutines

- Using BEGIN, END, and AUTOLOAD

Lesson 10: Formatting Output

- printf() Function and Print Formats
- The write() Function

Lesson 11: File and Directory Functions

- File Access Functions
- Link Functions
- Directory Manipulation Functions

Lesson 12: Process, Scalar, and List Functions

- Process Functions
- Signals
- Mathematical Functions
- String Functions
- Scalar Functions
- List Manipulation Functions
- Time Functions

Lesson 13: System Variables and Options

- Separator Variables
- Setting Options in Perl Programs

MSi Software Learning Centers ■ MSi Networking Services ■ MSi Database Services

Divisions of Moore Solutions Inc

Visit Our Web Site www.mooresolutions.com



Software Learning Centers
1645 SE. Port St. Lucie Blvd
Port St. Lucie, Florida 34952
PHONE: 772.337.4005 FAX: 772.337.0870



A Division of Moore Solutions inc

Lesson 14: References

- Hard References
- Dereferencing
- Creating Multidimensional Arrays

Perl Programming

Course content

Lesson 15: Packages and Modules

- Defining and Switching Between Packages
- Referencing Package Contents
- Importing Modules into Programs

Lesson 16: Object-Oriented Programming in Perl

- Creating and Using Classes
- Inheritance

MSi Software Learning Centers ■ MSi Networking Services ■ MSi Database Services

Divisions of Moore Solutions Inc

Visit Our Web Site www.mooresolutions.com