

 uCertify

# Course Outline

---

CIW: Perl Specialist



08 Nov 2019



Lesson



Practice test

## Contents

1. Course Objective
2. Pre-Assessment
3. Exercises, Quizzes, Flashcards & Glossary
  - Number of Questions
4. Expert Instructor-Led Training
5. ADA Compliant & JAWS Compatible Platform
6. State of the Art Educator Tools
7. Award Winning Learning Platform (LMS)
8. Chapter & Lessons
  - Syllabus
  - Chapter 1: Introduction to Perl
  - Chapter 2: Flow Control in Perl
  - Chapter 3: Regular Expressions in Perl
  - Chapter 4: Arrays in Perl
  - Chapter 5: Hashes in Perl
  - Chapter 6: Subroutines in Perl
  - Chapter 7: File Input and Output
  - Chapter 8: Environment Variables and Command Line Arguments
  - Chapter 9: Packages and Modules in Perl
  - Chapter 10: Object-Oriented Perl
  - Chapter 11: Database Connectivity and Perl
  - Chapter 12: Debugging Perl Programs
- Videos and How To
9. Practice Test

---

Here's what you get

Features

10. Post-Assessment

## 1. Course Objective

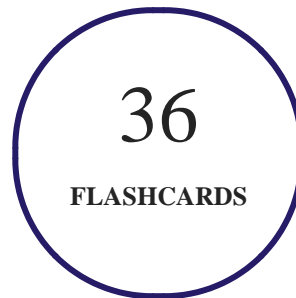
Pass your CIW Perl Specialist certification exam with 1D0-437: CIW Perl Specialist course. The course provides complete coverage of the 1D0-437 exam objectives and includes topics such as basic syntax and control structures needed to write Perl scripts; data types, flow control, arrays and hashes; regular expressions, and subroutines; packages and modules; database connectivity using Perl; and much more. The course also helps in learning all the basic and advanced concepts that are being used in the field of Perl programming.

## 2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

## 3. Flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



## 4. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



## 5. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

## 6. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

## 7. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 8. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 5 years:

- **2014**
  1. Best Postsecondary Learning Solution
  
- **2015**
  1. Best Education Solution
  2. Best Virtual Learning Solution
  3. Best Student Assessment Solution
  4. Best Postsecondary Learning Solution
  5. Best Career and Workforce Readiness Solution
  6. Best Instructional Solution in Other Curriculum Areas
  7. Best Corporate Learning/Workforce Development Solution
  
- **2016**
  1. Best Virtual Learning Solution
  2. Best Education Cloud-based Solution

3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

## 9. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

## Syllabus

Chapter 1: Introduction to Perl

- Practical Extracting and Reporting Language (Perl)
- Getting Started with Perl
- Scalar Variables
- Numerical Variables
- String Variables
- Retrieving Data from STDIN
- Lesson Summary
- Optional Lab

## Chapter 2: Flow Control in Perl

- Boolean Expressions in Perl
- The if Statement
- The while Statement
- The do { } while Statement
- The for Statement
- Loop-Control Commands
- I/O Redirection



- Lesson Summary
- Optional Lab

### Chapter 3: Regular Expressions in Perl

- Introduction to Regular Expressions
- Character Classes
- Pattern Matching and Substitution
- Lesson Summary
- Optional Lab

### Chapter 4: Arrays in Perl

- Introduction to Perl Arrays
- Accessing Array Elements
- The sort Function
- The foreach Statement
- The push and pop Functions
- The shift and unshift Functions
- The split and join Functions

- Lesson Summary
- Optional Lab

## Chapter 5: Hashes in Perl

- Introduction to Perl Hashes
- Adding and Deleting Hash Elements
- The keys Function
- The values Function
- The each Function
- The reverse Function
- Lesson Summary
- Optional Lab

## Chapter 6: Subroutines in Perl

- Introduction to Perl Subroutines
- Variable Scope
- References
- Lesson Summary

- Optional Lab

## Chapter 7: File Input and Output

- Introduction to File Input and Output
- What Is a Filehandle?
- The open Function
- Outputting Data to a File
- Opening Files for Reading
- Determining Information About Files
- The stat and lstat Functions
- Lesson Summary
- Optional Lab

## Chapter 8: Environment Variables and Command Line Arguments

- Environment Variables
- Command Line Arguments
- Lesson Summary
- Optional Lab

## Chapter 9: Packages and Modules in Perl

- Using Packages in Perl
- BEGIN and END Blocks
- Using Modules in Perl
- The use and require Statements
- Lesson Summary
- Optional Lab

## Chapter 10: Object-Oriented Perl

- Introduction to Object-Oriented Perl
- Creating Objects in Perl
- Inheritance
- Lesson Summary
- Optional Lab

## Chapter 11: Database Connectivity and Perl

- Introduction to Database Connectivity

- Database Programming with Perl
- Interacting with Databases
- Connecting to Databases
- Structured Query Language
- Quoting Operators
- Lesson Summary
- Optional Lab

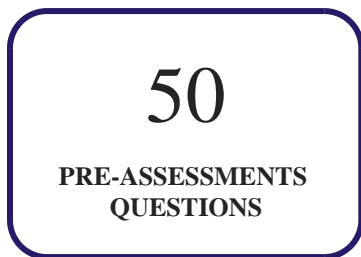
## Chapter 12: Debugging Perl Programs

- Introduction to Debugging Perl Scripts
- Using the print Command
- Using the -w Switch
- Using the strict Module
- The Perl Debugger
- Writing Bug-Free Perl Code
- Lesson Summary
- Optional Lab

## 10. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

### Here's what you get



### Features

#### Full Remediation

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

#### Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

#### Learn, Test and Review Mode

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

## 11. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

**Have Any Query? We Are Happy To Help!**

### GET IN TOUCH:

■ Call: +1-415-763-6300

■ Email: [sales@ucertify.com](mailto:sales@ucertify.com)

■ [www.ucertify.com](http://www.ucertify.com)