

LINUX SHELL PROGRAMMING CERTIFICATION

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 2 Day Interactive Instructor-led Online/Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Mock Tests to prepare in a best way
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and case studies and present trends
- ✓ Linux Shell Programming Training Course adhered with International Standards
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/weekend Linux Shell Programming Training Course schedule



About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies

Importance of Linux Shell Programming Training

- ✓ Linux Shell Programming Certification is a valuable credential uncovering the expertise of a professional in shell scripting and its practical applications. The prevalence of this certification lies in its potential to validate an individual's proficiency in automating and managing system tasks and proving their efficiency in Linux Shell. The certification provides a concrete understanding of the creation and execution of shell scripts in Linux. Moreover, it helps in getting insights into script debugging and maintenance.
- ✓ Linux Shell Programming Training enables participants to acquire necessary knowledge to automate tasks as well as properly manage resources and build effective scripts. The curriculum includes basic concepts of shell and commands that can be practiced in this environment, such as navigation, files, command-detailed execution, and script ability elements. Candidates will discuss more complex concepts for controlling program flow and working with functions and regular expressions, as well as more low-level tasks related to administering a system.

ELIGIBILITY CRITERIA

- ✓ Aspirants need not meet any requirements to pursue Linux Shell Programming Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

- ✓ Any individual who wants to gain skills to understand Linux can enroll in the Linux Shell Programming Training course.

LINUX SHELL PROGRAMMING CERTIFICATION ADVANTAGES



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



PERFECT
EXECUTION



BUILDS
CUSTOMER
LOYALTY



MORE
EMPLOYABILITY
OPTIONS

Syllabus of Linux Shell Programming Training

Lesson 01 – Introduction to Linux Shell

| | |
|----|-----------------------------|
| 1. | Introduction to Linux |
| 2. | Introduction to Linux Shell |
| 3. | Shell Programming |

Lesson 02 – Terminal and Basic Commands

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|----|----------------|
| 1. | Terminal |
| 2. | Basic Commands |

Syllabus of Linux Shell Programming Training

Lesson 03 – Files Permissions, Handling, and Libraries

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|----|--|
| 1. | File Handling |
| 2. | Create a New File |
| 3. | Display the Contents of a File |
| 4. | Concatenate Contents of Multiple Files |
| 5. | Copy File Content |
| 6. | File Permissions |
| 7. | Chmod |
| 8. | Function Library |
| 9. | Source Command |

Lesson 04 – Integrating Arrays, Functions, and Variables

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|----|---------------------|
| 1. | Array |
| 2. | Functions |
| 3. | Variables |
| 4. | Manipulation String |

Syllabus of Linux Shell Programming Training

Lesson 05 – Types of Linux Shell Programming

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|----|--------------------------|
| 1. | Korn Shell vs Bash Shell |
| 2. | Bash Shell |
| 3. | Korn Shell (Ksh) |

Lesson 06 – Command Line Tools

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|----|--------------------------------------|
| 1. | Overview of Linux Command Line Tools |
|----|--------------------------------------|

Lesson 07 – Conditional Execution

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|----|--|
| 1. | Overview and Types of Conditional Execution |
| 2. | Logical AND && |
| 3. | Logical OR |
| 4. | Logical Not! |
| 5. | If Structures to Execute Code Based on a Condition |

Lesson 08 – Directory Manipulation and Testing

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|----|------------------------|
| 1. | Directory Manipulation |
| 2. | Recursive Listing |
| 3. | Recursive Copy |
| 4. | Recursive Deletion |
| 5. | Testing Files |
| 6. | File Test Operators |

Syllabus of Linux Shell Programming Training

Lesson 09 – Debugging and Troubleshooting

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|----|---|
| 1. | Debugging |
| 2. | Debugging Shell Scripts in Linux |
| 3. | Disabling the Shell (-n Option) |
| 4. | Displaying the Scripts Commands (-v Option) |
| 5. | Combining the -n and -v Options |
| 6. | Tracing Script Execution (-x Option) |
| 7. | Troubleshooting |
| 8. | Filesystem Troubleshooting |
| 9. | Checking a Filesystem for Errors and Attempting to Repair Automatically |

Lesson 10 – Patterns and String Matching

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|----|---|
| 1. | Patterns and String Processing in Shell Scripts |
| 2. | Shell Patterns |
| 3. | Pattern Matching Basics |

Syllabus of Linux Shell Programming Training

Lesson 11 – Directories and Wildcards

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|----|---------------------------|
| 1. | Moving Directories |
| 2. | Linux Directory Structure |
| 3. | Introduction to Wildcards |
| 4. | Usage of Wildcards |
| 5. | Redirecting |
| 6. | Streams |
| 7. | Piping |
| 8. | Saving Shell State |

Exam Format of Linux Shell Programming Certification

| Examination Format | |
|----------------------------|-------------------------------------|
| Exam Name | Linux Shell Programming Exam |
| Exam Format | Multiple Choice |
| Total Questions & Duration | 30 Questions, 1 Hour |
| Passing Score | Minimum passing score of 70% |
| Exam Cost | Included in training fee |

To get you fully prepared with the knowledge and skills for Linux Shell Programming, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of the Linux Shell Programming exam.

Contact Us

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<https://unichrone.com/>

