



## Bash Scripting

### **Description:**

This course teaches you how to automate processes on UNIX systems using shell scripts. On a UNIX system, bash shell scripts allow you to automate almost any task. They combine all of the UNIX userland utilities with a robust scripting language. Shell scripts will increase your productivity whether you're a system administrator, a developer, or a power user.

### **Start Date:**

### **Doubt Clear Time:**

### **Course Time:**

### **Features:**

# Course material

# Course resources

# On demand recorded videos

# Practical exercises

# Quizzes

# Assignments

# Course completion certificate

### **What we learn:**

# Unique Characters

# Characters Hash SemiColon

# Variable and Parameters

# Internal Commands

# Regular Expressions

### **Requirements:**

# System with Internet Connection

# Interest to learn

# Dedication

### **Instructor:**

#### **Name:**

Ermin Kreponic

#### **Description:**

Strongly motivated young IT expert, Linux enthusiast with a passion for troubleshooting network related problems. With an exceptional eye for details and a sense of urgency when it comes down to problem solving.

#### **>Introduction:**

>>Intro

## **>Setting up the environment:**

>>Set up part 1

>>Set up part 2

## **>Unique Characters:**

>>Terminal customization and hash character

>>Characters Hash SemiColon

>>Characters Dot Double quotes Single quotes Comma Double comma

>>Backslash Slash Backquote Null command

>>[exclamation mark] [asterix] [question mark]

>>Parenthesis and Curly braces

>>Characters [OR] [AND] [Dash] [Modulo] [Tilde Plus] [Tilde Minus] [Caret] [Double Car

## **>Variable and Parameters:**

>>Variables and Parameters part 1

>>Variables and Parameters part 2

>>Variables and Parameters part 3

>>Variables and Parameters part 4

## **>Return Values:**

>>Return Values part 1

>>Return Values part 2

## **>Conditional Statements:**

>>Conditional Statements part 1

>>Conditional Statements part 2

## **>Variables Continued:**

>>Built in variables part 1

>>Built in variables part 2

>>Built in variables part 3

>>Modifying the properties of variables

>>Random number generation

## **>Loops:**

>>For Loop

>>Until Loop

>>While Loop

>>Break and Continue Part 1

>>Break and Continue Part 2

>>Case Construct

>>Select Construct

## **>Internal Commands:**

>>Printf

>>Read

>>Eval and Set

>>More on set + unset

>>getopts

>>shopt type jobs disown

>>fg kill and command

## **>Regular Expressions:**

>>Grep Demo

>>Demo for sed Extended regular expressions

>>Globbing

## **>Input Output Redirection:**

>>STDOUT, STDIN, STDERR part 1

>>STDOUT, STDIN, STDERR part 2

## **>Functions:**

>>Functions part 1

>>Functions part 2

## **>Arrays:**

>>Arrays part 1

>>Arrays part 2

>>Arrays part 3

## **>Lists:**

>>OR and AND lists

## **>Debugging:**

>>Debugging part 1

>>Debugging part 2

>>Debugging part 3