



# KKAR Technologies

...Career Through opportunities

## Shell scripting Course Syllabus

- ✓ Operating System Environment
- ✓ Understanding Operating Systems
- ✓ Linux File System
- ✓ Understanding the Linux Tree Hierarchy
- ✓ Shell Basics
- ✓ Understanding Shell Login/Logout Files
- ✓ Shell Environment
- ✓ Redirection
- ✓ Pattern Matching
- ✓ Quoting
- ✓ Expansion
- ✓ Shell Script Programming Concepts
- ✓ Sequential Flow and Components of Shell Scripting
- ✓ Decision Structures
- ✓ Decision-Structure Theory
- ✓ Statements & Operators
- ✓ Looping Structures
- ✓ Loop Theory & Statements
- ✓ Functions and Arrays
- ✓ Functions Parts/Libraries & Arrays
- ✓ Advanced Shell Programming
- ✓ File Access, Sorts & Techniques
- ✓ Advanced Tech & Tools
- ✓ Awk & Sed
- ✓ Script Design and Management Issues



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## Perl syllabus

### UNIT-I

- ✓ Introduction to perl: # ! , Basic I/O, Variables variables & Backslash Interpolation,
- ✓ Scalar/list control operators, operator procedure, if unless, loops, loop control (ch1, ch3, pg 60-65, 69-72, III-127)

### UNIT-II

- ✓ Debugging perl scripts: Debugging commands, Debugger customization, Unattended execution, Debugging support, the perl profiler.

### UNIT-III

- ✓ Built in Function: Perl functions by category, Perl functions in alphabetical order.

### UNIT-IV

- ✓ Regular expressions: Pattern Matching, operators, Meta character and meta symbols.
- ✓ Character classes, quantifiers, Pointers, capturing & clustering, Alternation, staying in control.

### UNIT-V

- ✓ Subroutines Syntax: Syntax, Semantics, parsing references, prototypes, subroutine attributes.
- ✓ Formats: Format variables, Fosters.



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## UNIT-VI

- ✓ References: Creating References, using hard references, symbolic references, Braces,
- ✓ Brackets and quotes.
- ✓ Data Structure: Arrays of Arrays, Hashes of arrays, Arrays of Hashes, Hashes of Hashes,
- ✓ Hashing as function , Elaborate records, Hashes of functions.

## UNIT-VII

- ✓ CGI Programming: CGI Basic, Forms, Methods.

## UNIT-VIII

- ✓ More CGI : Here Docs, Emailing, Cookies, File uploading, E-mail.