

Course Content

Introduction

- History of evolution
- Why Perl
- Uses of Perl
- Perl on Linux, windows
- Real life examples
- Books on Perl

Perl Fundamentals

- First program with minimal explanation
- Variables : scalar, array, hash
- Operators
- Print statements
- Comments
- Executing the program
- Use of use strict and use warnings pragma
- Subroutines

Control structure and loops

- if, if else, if elsif else, nested if else
- for, foreach, while, do while
- next, unless, return, exit, last, until, redo
- Ternary operators, goto label,
- Given and when similar to switch and case

Useful/necessary functions to memorize

- chop and chomp
- sort and reverse
- caller, wantarray
- exec, system and eval
- uc, ucfirst, lc, lcfirst
- grep and map
- length

Perl Basics by Alien Coders

- undef
- qw, qq,q, qx, qr
- warn, die

Array Functions

- push and pop
- join and split
- slice and splice
- shift and unshift

Hash Functions

- keys
- values
- exists
- defined
- delete
- each

Array and hash manipulation

- Array and hash reference
- Anonymous reference
- Sorting array and hash elements

Inbuilt special variables

Regular Expressions

- Regexp basics
- Modifiers, quantifier, meta characters
- Pattern matching, search, replace, transliteration
- Examples: IP Address, Phone Number, Email, File Extension validations

File Handling

- Read, write, append, open , close files
- Binary file manipulation using binmode
- File testing
- Open directory, read files into it etc

Perl Basics by Alien Coders

Introduction to Modules and Packages

- Introduction CPAN modules
- How to Install CPAN modules
- use, require, do
- Introduction to few Important CPAN Modules

Object Oriented Perl basics

Database Connectivity

- Connection to the database (MySQL,Oracle)
- Manipulating the fetched values from databases
- Inserting/updating database