### Ruby

### Introduction

### What is Ruby

### Why ruby

### General purpose of ruby

### Brief History of Ruby

### Where does ruby get its ideas

### Ruby Installation with RVM

### Creating a basic script in ruby

### Sample demo of ruby program

### RVM(ruby version manager)

### Rvm installation

### Rvm commands

### Rvm Usage

### Working in Linux(Ubuntu) Platform

### Basic Linux commands

### File/Directory Permissions

### Changing access rights

### Text Editors used for ROR

### Ruby Operators & Ruby Shell

### IRB – Ruby Shell

### Working with Ruby operators and expressions

### Numeric Methods

### Rand and Ranges

### Strings, Escaping, Interpolation

### String methods

### Dates and Times

### Ruby Datatypes & Variables

### Ruby Datatypes

### Numbers, Boolean, Strings, Arrays, Hashes, Symbols.

### Types of Variables(Global, Instance, Class, Local, Constant, Pseudo)

### Difference between local & instance variables

### Parallel Assignment

### Variable conditions

### Ruby methods and modules

### Basic ruby methods

### Return values from methods, return statements

### Class methods

### Different ways to call methods

### Ruby modules and Mixins

### Ruby require and include statement

### Difference between class and module

### OOP in Ruby

### OOP

### Class

### The initialize method

### The accessor & setter method

### Access Control

### Class Inheritance

### Method Overriding

### Operator Overloading

### Singleton methods

### Metaclass

### Defining Attributes

### Variable types in Ruby

### Super

### Regular Expressions

### Exceptions

### Basic loops and iterators

### Conditional operators

### Case Statement

### Rails

### Rails Installation and Ruby gems

### What is Rails

### Full tack Framework

### Rails Strength

### COC(convention over configuration)

### Rails Installation

### Ruby and Rails installation on Linux

### Ruby Gems

### Working with RubyGems

### Gem commands

### Framework Technology

### MVC

### Rails Components

### How do Rails works in MVC

### Databases

### MySQL Introduction

### Installation

### Start/Stop MySQL

### Basic Mysql operators

### Creating user and database in MySQL

### Statements

### Creating a Sample Application with Rails

### Rails Installation

### Folder Structure

### Setup the application

### Rake

### RAILS Model, Controller and Views

### Controller

### What is the controller?

### Architecture Diagram for Controller

### Creating a Controller

### Methods and Actions

### Parameters(params)

### Controller Default methods

### Scaffolding

### Routing

### Restful Resources

### CRUD Verbs and Actions

### Filters(Before,After,Around)

### Models

### What is model

### Active record Basics

### Destroy a model

### Migrations

### Modify, update a model

### Dropping a database

### Association, Validation and callbacks

### Why Association

### Without and with Association

### Types of Association

### Active Record validations

### Callbacks & types of callbacks

### Views

### Embedded Ruby

### Working in HAML

### Working with Ajax, Jquery in Rails framework

### Testing

### TDD & BDD