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Learning Style: On Demand

Technology:

Difficulty: Intermediate

Course Duration: 5 Hours

# **Ruby Intermediate**



#### About this course:

The Ruby: Intermediate is a programming language course which is the second course in the series of courses on Ruby programming language. The course provides hands on experience and builds on the topics taught in the fundamentals course. The course covers more advanced topics such as working with forms,

databases, rails framework, validation techniques and styles. The course winds up by teaching the students to put all of the components together to create a presentable application for end users.

This intermediate course provides a great learning experience for mid-career level programmers to understand the more advanced topics of Ruby programming language. The course enables the students to write a simple code in Ruby and develop the concepts that ultimately help in creating real-world applications using Ruby programming language.

# **Course Objective:**

- Learn the core syntax of Ruby programming language
- · Create fill in forms
- Integrate the forms with databases
- Learn data validation techniques
- Create presentable and user friendly applications using styles
- Customize user-specific applications by creating user accounts

Test and assure quality of the applications

#### Audience:

- Software developers working on Ruby programming language
- Individuals experienced with other programming languages such as C++, Java and Perl
- Experienced professionals in .NET framework
- QA engineers

#### **Prerequisite:**

- The course requires the students to have sound knowledge of working with Java.
- The students should be able to understand and demonstrate object oriented programming with Java 7 SE and Java 8.
- In addition to this, it is highly recommended that the students should undertake the Ruby: Fundamentals course before registering for this course.

#### **Course Outline:**

### **Chapter 01 - Conditionals and Blocks**

- Topic A: Standard Conditionals Part 1
- Standard Conditionals Part 2
- Standard Conditionals Part 3
- Topic B: Compound Conditionals Part 1
- Compound Conditionals Part 2
- Compound Conditionals Part 3
- Topic C: Operators Part 1

- Operators Part 2
- Operators Part 3
- Topic D: Switch Part 1
- Switch Part 2
- Switch Part 3
- Topic E: Guard Part 1
- Guard Part 2
- Guard Part 3
- Topic F: What Are Blocks Part 1
- What Are Blocks Part 2
- What Are Blocks Part 3
- Topic G: Yield Part 1
- Yield Part 2
- Yield Part 3
- Topic H: Block Given Part 1
- Block Given Part 2
- Block Given Part 3
- Topic I: File Class Part 1
- File Class Part 2
- File Class Part 3
- Topic J: Yield in Rails Part 1
- Yield in Rails Part 2
- Yield in Rails Part 3
- Topic K: Ampersand Part 1
- Ampersand Part 2
- Ampersand Part 3

## **Chapter 02 - Metaprogramming**

- Topic A: Proc Part 1
- Proc Part 2
- Proc Part 3
- Topic B: Lambda Part 1
- Lambda Part 2
- Lambda Part 3
- Topic C: Proc vs. Lambda Part 1
- Proc vs. Lambda Part 2
- Proc vs. Lambda Part 3
- Topic D: Lambdas in Rails Part 1
- Lambdas in Rails Part 2
- Lambdas in Rails Part 3
- Topic E: Metaprogramming Part 1
- Metaprogramming Part 2
- Metaprogramming Part 3
- Topic F: Open Class Part 1
- Open Class Part 2
- Open Class Part 3
- Topic G: Method Missing Part 1
- Method Missing Part 2
- Method Missing Part 3

- Topic H: Define Method Part 1
- Define Method Part 2
- Define Method Part 3
- Topic I: Rails Metaprogramming Part 1
- Rails Metaprogramming Part 2
- Rails Metaprogramming Part 3

## **Chapter 03 - Frameworks and Algorithms**

- Topic A: Error Handling and Syntax Part 1
- Error Handling and Syntax Part 2
- Error Handling and Syntax Part 3
- Topic B: Antipatterns Part 1
- Antipatterns Part 2
- Antipatterns Part 3
- Topic C: Error Logger Part 1
- Error Logger Part 2
- Error Logger Part 3
- Topic D: Sinatra Part 1
- Sinatra Part 2
- Sinatra Part 3
- Topic E: Rails Part 1
- Rails Part 2
- Rails Part 3
- Topic F: Insertion Sort Part 1
- Insertion Sort Part 2
- Insertion Sort Part 3
- Topic G: Quicksort Part 1
- Quicksort Part 2
- Quicksort Part 3
- Topic H: Binary Search Part 1
- Binary Search Part 2
- Binary Search Part 3