

Introduction to Ruby on Rails

Course length: 1 day

Course Description

Course Objective: You will create an application using Ruby on Rails.

Target Student: This course is intended for web developers seeking to create web applications with Ruby on Rails.

Prerequisites: To ensure success, students should take the following courses: XML: An Introduction (Fourth Edition), Web Design with XHTML, HTML, and CSS: Level 1, and Fundamentals of Databases Using MySQL.

Course Objectives

Upon successful completion of this course, students will be able to:

- Create programs in Ruby.
- Write object-oriented programs that will make use of built-in classes and modules in Ruby.
- Implement threads and handle exceptions to control code execution.
- Create a simple Rails application.
- Develop a web application in Rails that will have access to a database and authenticate user credentials.

Course Content

Lesson 1: Programming in Ruby

Topic 1A: Introduction to the Ruby Language

Topic 1B: Write Programs Using Ruby Language Constructs

Topic 1C: Control Program Flow Using Control Structures

Lesson 2: Programming in Ruby Using OOPs Concepts

Topic 2A: Create a Program Using OOPS Concepts

Topic 2B: Work with Strings and Arrays

Topic 2C: Work with Built-in Classes

Lesson 3: Implementing Threads and Handling Exceptions

Topic 3A: Work with Threads

Topic 3B: Handle Exceptions

Lesson 4: Getting Started with Rails

Topic 4A: Introduction to the Rails Framework

Topic 4B: Create a Rails Application

Lesson 5: Developing a Web Application

Topic 5A: Create a Database

Topic 5B: Manipulate Databases

Topic 5C: Implement Plug-Ins in Rails

