

Beginning Swift

Duration: 2 Days Course Code: LO035424 Delivery Method: Virtual Learning

Overview:

Swift greatly simplifies the process of developing applications for Apple devices. This course provides you with the essential skills to help you get started with developing applications using Swift.

After completing this course, you will be able to:

- Explore the fundamental Swift programming concepts, language structure, and the Swift programming syntax
- Transform your thinking to leverage new concepts, such as optionals and protocols
- Use key language elements, such as strings and collections in Swift
- Grasp how Swift supports modern application development using advanced features, such as built-in Unicode support and higher-order functions.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

If you are seeking fundamental Swift programming skills, in preparation for learning, to develop native applications for iOS or macOS, this course is the for you. You don't need to have any prior Swift knowledge; however, object-oriented programming experience is desired.

Objectives:

- This course is aimed at developers seeking fundamental Swift programming skills in preparation for learning how to develop native applications for iOS and macOS.
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Prerequisites:

Hardware:

This course will require a computer system for the instructor and one for each student. The minimum hardware requirements are as follows:

- Processor: Intel Core i5 or equivalent
- Memory: 4 GB RAM
- An internet connection

Software:

- Operating system: macOS Sierra 10.12.6+
 - Xcode 9.1
 - Safari browser
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Content:

Lesson 1: Swift Basics

- Swift Program Structure
- Swift Variables and Constants
- Swift Data Types
- Enums

Lesson 2: Swift Operators and Control Flow

- Swift Operators
- Branching
- Loops

Lesson 3: Functions, Classes, and Structs

- Functions
- Error Handling
- Object-Oriented Features

Lesson 4: Collections

- Arrays
- Sets
- Dictionaries

Lesson 5: Strings

- String Fundamentals
- Using Strings
- Substring

Lesson 6: Functional Programming and Lazy Operations

- Functional Methods
- Lazy Operations
- Swifty Code

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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