

## APX-340: Developing with Apex



This is an introduction into developing with Apex, the first on-demand programming language. This instructor-led course will guide you through the Apex language syntax, usage, and use cases.

### Who Should Take This Course?

This hands-on course is designed for developers with previous object-oriented programming experience. The course moves very quickly and although those without that background are welcome to attend, they may find it extremely challenging as Apex relies heavily on concepts from languages similar to Java and C#.Net. **Duration: 2 days.**

### Pre-Requisites:

The recommended prerequisite skills include:

- ⌘ Previous experience with Salesforce as a user
- ⌘ Previous object-oriented programming experience
- ⌘ Recommended: previous experience with the Force.com Web Services API

### What You Will Learn:

*APX-340 Developing with Apex* ensures that your organization is equipped to take full advantage of Apex. Although Apex has much in common with modern object-oriented languages, there are some major differences due to its on-demand nature. This course will walk students through the syntax, as well as the overall development process when creating or customizing applications with the Force.com platform.

### Key Topics and Approach:

This course covers all aspects of Apex, including:

- ⌘ An introduction to the Apex language
- ⌘ Invoking Apex through classes and triggers
- ⌘ Apex language syntax
- ⌘ Apex language flow
- ⌘ Debugging Apex
- ⌘ Deploying Apex from one org to another
- ⌘ Best practices for application development in an on-demand environment

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## Course Outline:

### Introduction

- ⌘ Course Overview
- ⌘ Apex Platform Development
- ⌘ Recruiting Application Scenario

### Introduction to Apex

- ⌘ Introduction to Apex
- ⌘ When to Use Apex
- ⌘ Coding in an On-Demand Environment
- ⌘ Apex Eclipse Development Environment

### Invoking Apex

- ⌘ Classes
- ⌘ Triggers
- ⌘ Anonymous Blocks and AJAX

### Apex Data Types, Variables, Expressions, Methods, and SQL

- ⌘ Data Types
- ⌘ Collections
- ⌘ Variables and Expressions
- ⌘ Methods
- ⌘ SOQL

### Apex Flow Control

- ⌘ Flow Control
- ⌘ Data Manipulation Language
- ⌘ Exceptions

### Debugging Apex

- ⌘ Apex Debug Log
- ⌘ Testing

### Deploying Apex

- ⌘ Deployment Process
- ⌘ Deploying and Testing API Calls

### Where to Go From Here

- ⌘ Additional Apex Information
- ⌘ Courses
- ⌘ Resources

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