TechyEdz Solutions

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salesforce

Apex

Salesforce Apex & Visualforce

Salesforce Certification Training

🞦 Course Overview:

This Salesforce course is designed to ensure that you learn and master the concepts of being a Salesforce Administrator and App Builder. In this Salesforce training, you will learn how to configure Salesforce to collect, analyze, and retrieve vital customer information and create applications using Salesforce Lightning. This Salesforce training course is fully immersive and helps you clear the Salesforce Administrator Exam (ADM 201) and the Salesforce App Builder (DEV 401) Exam.

🞦 Course Outline:

Apex and Visualforce

Declarative Automation

- ➢ Creating Formula Fields
- ➢ Creating Roll-Up Summary Fields
- ➢ Understanding Record Types
- ➢ Review Other Automation Tools
- ➢ Building a Data Model on the Salesforce Platform

Programming with Apex

- ➢ Describe key aspects of Apex that differentiate it from other languages, such as Java and C#
- ➢ Describe why Apex transactions and governor limits must be considered when writing Apex
- ➢ Execute simple Apex
- ➢ Use the sObject data type, the primitive data types, and basic control statements in Apex

Use SOQL and SOSL to Retrieve Your Org's Data

- ➢ Write a basic query using Salesforce's query language, SOQL
- ➢ Process the result of a query in Apex

- ➢ Create a query dynamically at run-time Use SOQL to Query Parent-Child Relationships
- ➢ Describe a relationship query
- ➢ Write a query that traverses a child-to-parent relationship
- ➢ Write a query that traverses a parent-to-child relationship
- ➢ Use SOSL to Search Data

Using DML to Manipulate Your Org's Data

- ➢ List the differences between the ways you can invoke DML operations
- ➢ Write Apex to invoke DML operations and handle DML errors

Deployment

- ➢ What is Deployment?
- ➢ Deployment Using Change Sets
- ➢ Use the Ant Migration Tool
- ➢ Managed & Unmanaged Packages
- ➢ Salesforce DX

Trigger Essentials

- ➢ Describe what a trigger is used for
- ➢ Describe the syntax of a trigger definition
- ➢ Use trigger context variables

Apex Class Essentials

- ➢ Describe how Apex classes are used
- ➢ Define an Apex class
- ➢ Determine what data an Apex class can access

The Save Order of Execution, Apex Transactions and Platform Events

- ➢ Describe key points in the Order of Execution
- ➢ Describe how triggers fit into and can be impacted by the Order of Execution
- ➢ Describe the lifecycle of an Apex Transaction
- ➢ Describe the memory lifecycle for static attributes
- ➢ Use Platform Events for Immediate Error Logging

Apex Testing

- ➤ Describe Apex's testing framework
- ➤ Create test data
- ➤ Write and run an Apex test
- ➤ Testing Best Practices

Strategies for Designing Efficient Apex Solutions

- ➤ Describe practices for writing code that is easy to maintain and extend
- ➤ Write triggers and classes that assume batches of data as input
- ➤ Write code that works efficiently with the database, both in querying and using DML

Trigger Design Strategies

- ➤ List declarative mechanisms you can use to implement complex business logic, for what types of problems they are best used, and their limitations
- ➤ Describe ways in which you can use declarative functionality to improve your programmatic solutions

Working with Visualforce

- ➤ Create a Visualforce page
- ➤ Reference a standard controller
- ➤ Launch a Visualforce page using a custom button
- ➤ Display data from a record in a Visualforce page
- ➤ Referencing Custom Controllers and Controller Extensions
- ➤ Working with List Controllers

Visualforce Development Considerations and Testing

- ➤ Describe common limit issues and security concerns
- ➤ Describe strategies for Testing Visualforce controllers
- ➤ Write tests for controller constructors
- ➤ Write tests for action methods, getters, setters, and properties

Lightning Components

- ➤ Create and Surface an Aura Component
- ➤ Create and Surface a Lightning Web Component

Prerequisites:

- There are no such prerequisites for this Salesforce.com training course. But prior working experience as an administrator or a developer is beneficial.

Who Can attend:

- Salesforce Professionals, Software Administrators, Developers, Analysts, Sales Managers and Executives can take this Salesforce course.
- The Sales force Administrator training course is best suited for the following IT Professionals
- System Administrators
- IT Managers
- Product Managers
- Consultants
- Sales Operations Professionals
- Power Users

Number of Hours: 30hrs

Certification: (ADM 201) and the Salesforce App Builder (DEV 401)

Key Features:

- ➢ One to One Training
- ➢ Online Training
- ➢ Fastrack & Normal Track
- ➢ Resume Modification
- ➢ Mock Interviews
- ➢ Video Tutorials
- ➢ Materials
- ➢ Real Time Projects
- ➢ Virtual Live Experience
- ➢ Preparing for Certification