Salesforce
Developer

Course curriculum

Course Curriculum

Basics of Programming

- Comparing Natural and Formal Languages
- Different types of Tokens
- Types of statements to write a program
- Data Types involved in Apex Language
- Arithmetic and Logical Operators
- Conditional Statements
- Controlling / Looping Statements

Introduction to Oops Concepts

- Encapsulation
- Abstraction
- Polymorphism
- Inheritance

Exception Handling

- Caught Exceptions
- Uncaught Exceptions

Working with Eclipse

- Creating Projects and capturing components from the Server

Collections

- List
- Set
- Map
- Working with Debug Logs

SOQL and SOSL Queries

- Different Tools used
- Writing simple SOQL queries
- Using Order by, Group by and Aggregate functions
- Difference between Limit and Offset
- Fetching Parent Object Information from the Child Object
- Fetching Child Object records from the Parent Object
- Writing SOSL Queries
- Governor Limits for the queries

DML Statements

- Insert, Update, Delete and Undelete
- Difference between Insert and Database.insert
- Difference between Update and Database.update

Apex Triggers

- Difference between Workflow Rules and Apex Triggers
- Difference between Before mode and After mode
- Trigger Events

Apex Triggers

- Trigger Context Variables
- Trigger Collections and availability for the different events
- Trigger Best Practices
- Developing Triggers by taking different scenarios
- Avoiding Recursive Triggers
- Avoiding Mixed DML Operation Error
- Purpose of Future method in Apex
- Order of execution in Salesforce

Batch Apex Classes

- Developing Batch Classes
- Purpose of Database.stateful
- Scheduling the Batch Class through user interface
- Scheduling the Batch Class Programmatically
- Monitoring Batch Jobs
- Monitoring Schedulable Jobs

Visualforce Pages

- Types of Controllers
- Creating Login App by using Standard Controller and Custom Controller
- Static Resources
- Displaying Error Messages on VF Page

Visualforce Pages

- StndardController - Displaying multiple records using RecordSetVar
- CustomController – Displaying multiple records by fetching from the database
- Types of Tables available in Visualforce
- Pagination using StndardSetController
- Pagination using Limit and Offset
- Getting the governor limits dynamically using Limits Class
- Usage of the Custom Labels in Salesforce
- Displaying List of records with Wrapper Class
- Custom Settings in Salesforce
- Rendered, Rerender, RenderAs and contentType usage
- Ajax Functions with different examples
- Overriding the Standard and Custom Buttons with Visualforce Pages
- Inline Visualforce Pages
- Usage of immediate keyword
- Passing the parameters between the Visualforce pages
- Using retURL and saveURL
- View State of VF Page and improving the performance of the view state
- Difference between System Mode and User Mode
- Difference between with sharing and without sharing
- Visualforce Components
- Visualforce and the order of execution
- Providing Security for Apex Classes and Visualforce Pages