

SalesForce

APEX Programming Language:

1. Introduction to Apex
2. Access Modifiers And OOP's concepts
3. Data Types
4. Collections
 - a) List
 - b) Set
 - c) Map
5. Creating Apex Classes
6. Sample Apex Classes
7. Apex Data Manipulation Operations(DML)
 - a) Insert Statement
 - b) Update Statement
 - c) Upsert Statement
 - d) Delete Statement
 - e) Undelete Statement
 - f) Merge Statement
8. Salesforce Object Query Language(SOQL)
9. Salesforce Object Search Language(SOSL)
10. Relationship Queries
 - a) Child-to-Parent Relationship
 - b) Parent-to-Child Relationship
 - c) Joins
 - d) Aggregate Functions
 - i. GROUP BY()
 - ii. HAVING()...etc.
11. Nested Queries
12. Date Functions
13. String Functions
14. Introduction of Triggers
15. Trigger types
 - a) Before Triggers
 - b) After Triggers
16. Trigger Events
17. Trigger Context Variables
18. Handling Trigger Exceptions
19. Triggers and Callouts
20. Execution order of Trigger
21. Governor Limits
22. Annotations

23. Test Classes

- a) Introduction of Test Classes
- b) Sample Test Class examples
- c) Understanding the Testing Apex and Code Coverage

VISUALFORCE:

1. Introduction of Visualforce
2. Standard Components with Examples
3. Standard Controller
 - a) Standard Controller with a Visualforce Page
 - b) Accessing Data with a Standard Controller
 - c) Using Standard Controller Actions
4. Standard List Controller
 - a) Standard List Controller with a Visualforce Page
 - b) Accessing Data with a List Controller
 - c) Using Standard List Controller Actions
 - d) Pagination with a List Controllers
5. Custom Controllers and Controller Extensions
 - a) Building a Custom Controller
 - b) Building a Controller Extension
 - c) Controller Methods
 - i. Action
 - ii. Getter
 - iii. Setter
6. Order of Execution in Visualforce Page
7. Overriding Buttons, Links and Tabs with Visualforce Page
8. Create Static Resources and Using in Visualforce page
9. Introduction of Custom Components
 - a) Creating Custom components
 - b) Using Custom Components in Visualforce Page
 - c) Custom Component Attributes and Controllers
10. Dynamic Visualforce Binding
 - a) Using Dynamic References with Standard and Custom objects
 - b) Dynamic References to Global Variables
11. Integrating Email with Visualforce
 - a) Sending an Email with Visualforce
 - i. Creating a Custom Controller with the Messaging class
 - ii. Creating an Email Attachments
 - b) Email Templates
 - Creating Visualforce Email Templates
 - Custom Stylesheet in a Visualforce Email Templates
12. Using JavaScript in Visualforce Pages
 - a) Using \$Component to Reference Components from JavaScript
 - b) Using JavaScript Libraries with Visualforce
 - c) Remoting JavaScript for Apex Controllers

- d) Visualforce Remote Objects

ADVANCED DEVELOPMENT:

1. Apex Scheduling
 - a) Introduction of Scheduling
 - b) Types of Scheduling
 - i. Salesforce User Interface
 - ii. Using Apex Code
 - c) Apex Jobs
 - d) Use of CronTrigger
2. Batch Apex
 - a) Need of Batch Apex
 - b) Batch Apex Methods
 - c) Examples with Real time Scenarios
 - d) Difference b/w Batch Apex and Data Loader
3. Email Services with examples
4. Deployment Process
 - a) Introduction of SandBox and Types of Sandbox and Production
 - b) Different Types of Deployment process
 - i. Using ChangeSets
 - ii. Using Eclipse IDE
 - iii. Using Force.com IDE
 - iv. Using Migration Tool
5. Use of Workbench
6. Use of Developer Console and Debug Logs

WEB SERVICES:

1. Salesforce API's
2. Call outs
3. @future methods
4. Introduction of API
5. Types of API's
 - a) SOAP
 - b) Metadata API
 - c) Apex API
 - d) REST
 - e) Bulk API
6. Generating a WSDL file