



IT EDUCATION
CENTRE

Salesforce



SALESFORCE ADMIN

Organizational Setup	<ul style="list-style-type: none"> - Describe the Salesforce CRM - Describe the Org - Creation the Org
User Setup	<ul style="list-style-type: none"> - Identify the steps to set up and/or maintain a user. - Understand the implications of activating, deactivating, or freezing a user.
Security and Access	<ul style="list-style-type: none"> - Profile, Permission Sets, - Sharing Settings - OWD, Role, Sharing Rules
Standard and Custom Objects	<ul style="list-style-type: none"> - Describe the standard object architecture and relationship model. - Explain how to create, delete, and customize fields and page layouts on standard and custom objects, and understand the implications of deleting fields. - Given a scenario, determine how to create and assign page layouts, record types, and business processes for custom and standard objects.
Sales Application	<ul style="list-style-type: none"> - Overview on Sales Cloud Application
Service Application	<ul style="list-style-type: none"> - Overview on Service Cloud Application
Activity Management and Collaboration	<ul style="list-style-type: none"> - Describe the capabilities of activity management (for example, manage tasks, events, public calendars, multi-day events).
Data Management	<ul style="list-style-type: none"> - Data import, export, update - Data Import Wizard - Data Loader
Reports and Dashboards	<ul style="list-style-type: none"> - Creation of different type of reports - Creation of Dashboard
Workflow/Process Automation	<ul style="list-style-type: none"> - Given a scenario, identify the appropriate automation solution based on the capabilities of workflow/process. - Describe capabilities and use cases for the approval process.
App Exchange	<ul style="list-style-type: none"> - Overview on App Exchange

SALESFORCE PLATFORM DEVELOPER

- ▶ **Salesforce Fundamentals**
- ▶ **Introduction to Apex Programming**
- ▶ **Introduction to MVC**
- ▶ **Variables, Data types in Apex**
- ▶ **Operations, Conditional, Switch statements in Apex**
- ▶ **Loops in Apex**
- ▶ **OOP Concepts in Apex**
- ▶ **Setting Up our Salesforce application**
- ▶ **DML statements**
- ▶ **Database class methods**
- ▶ **SOQL & SOSL**
- ▶ **Triggers in Salesforce**
- ▶ **Apex Design Patterns**
- ▶ **Governor Limits in Salesforce**
- ▶ **Order of Execution**
- ▶ **Apex Testing**
- ▶ **VisualForce Pages**
- ▶ **Controller**
- ▶ **Visualforce Components**
- ▶ **Debugging Apex**



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Java



Core Java Syllabus

- ▶ Java Fundamentals
- ▶ Java Applications
- ▶ JVM Architecture
- ▶ How java is platform Independent
- ▶ Difference between JDK JVM and JRE
- ▶ Data Types and Variables in Java
- ▶ Operators and Expressions
- ▶ Control Statements
- ▶ Loops in Java
- ▶ Arrays
- ▶ Command Line Arguments
- ▶ Java 8 and Java 9 Features
- ▶ OOPS Concepts
- ▶ Overloading and Overriding
- ▶ Inheritance with Interface and Abstract Class
- ▶ Exception Handling
- ▶ Wrapper Classes
- ▶ Garbage Collections
- ▶ Inner, Classes
- ▶ Packages
- ▶ String Class
- ▶ String Buffer and StringBuilder Class in Java
- ▶ Multithreading
- ▶ Collection and Generics
- ▶ File L'O
- ▶ Socket Programming
- ▶ AWT and Event Handling
- ▶ GUI Designing Swing
- ▶ JDBC

Advance Java

▶ Basics of Web Application

- What is Web Application
- Client and Server Architecture
- HTTP Protocol
- J2EEWeb Container and Web Server

▶ Web Server Setup

- Tomcat Introduction
- Overview, Installation and Configuring Tomcat
- Setup Servlet Project in Eclipse
- Configure Servlet API

▶ Servlets

- Introduction
- HTTP Protocol and HTTP Methods
- Servlet Interface
- GenericServlet Interface
- HTTPServlet Interface
- Servlet Life Cycle
- Servlet Config
- Servlet Context
- Session Tracking Mechanisms
- RequestDispatcher Forward and Include method
- Forwarding and Redirection of requests

▶ Jsp

- Introduction to JSP
- JSP LifeCycle
- JSP Implicit Objects
- JSP Directives
- JSP Scripting Elements
- JSP Action Tags
- Custom Tags
- JSP with JDBC
- JSTL and Tag Library

Fremeworks

► **Hibernate Framework**

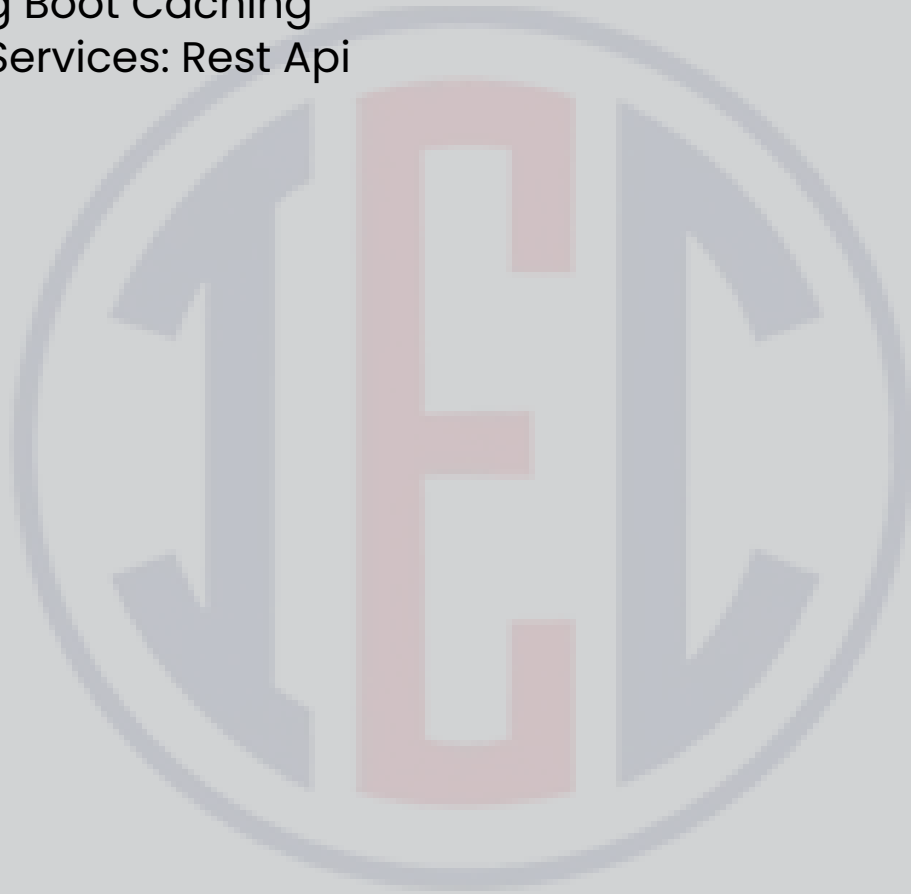
- Introduction
- ORM Principle
- Hibernate Architecture
- Persistent Classes
- Setting up Hibernate project
- Configuring JAR and XML file
- Hibernate CRUD
- HQL
- Using SQL with Hibernate
- Mapping Collections
- Hibernate Caching
- Types of Caching mechanisms
- Criteria Queries

► **Spring Framework**

- What is Spring
- Setting up Spring Project
- Core Spring
- Dependency Injection
- Spring Bean Factory
- Spring Application Context
- Spring MVC
- Spring ORM
- Spring DAO

► **Spring Boot Framework**

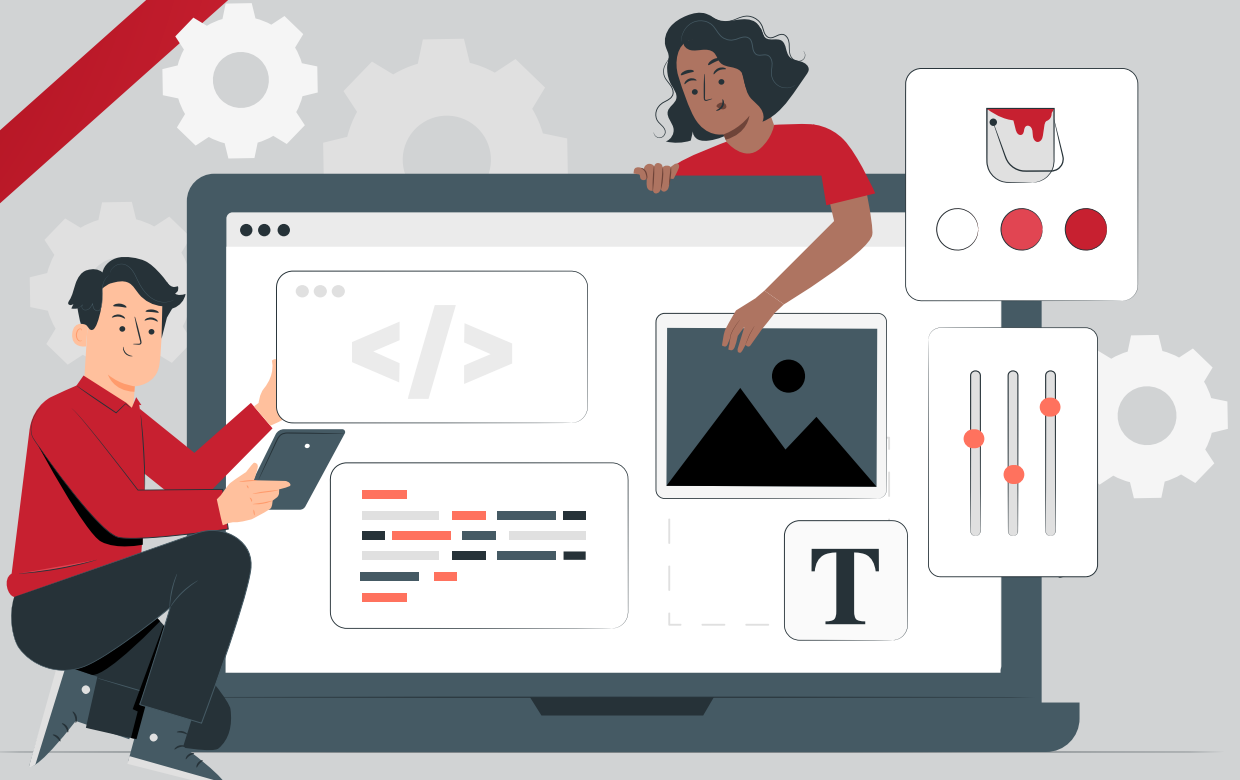
- Spring Boot Introduction
- Spring Boot Architecture
- Spring Initializr
- Download and Install STS IDE
- Spring Boot CLI
- Spring Tool Suite
- Annotations
- Spring Boot View
- Spring Boot with Database
- Spring Boot Caching
- Web Services: Rest Api





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WEB DEVELOPMENT



Web Development

- ▶ Introduction to HTML and HTML 5
- ▶ Difference between HTML and HTML 5
- ▶ What is HTML 5?
- ▶ HTML Tags
- ▶ HTML Attributes
- ▶ HTML Heading, Paragraph, Anchor, Image, Table, Lists
- ▶ HTML Form
- ▶ HTML Classes
- ▶ HTML File Path
- ▶ HTML Layouts & Its Techniques
- ▶ HTML Responsive
- ▶ HTML Symbols
- ▶ HTML 5 Tags list -article, aside, audio, bdi, canvas, data, datalist, details, dialog, figcaption, figure, footer, header, main, mark, menuitem, nav, progress, section, summary, time, video.
- ▶ HTML API

CSS 3

- ▶ **Introduction to CSS**
- ▶ **What is CSS?**
- ▶ **CSS Syntax**
- ▶ **CSS Selector**
- ▶ **How to add CSS?**
- ▶ **CSS Properties**
- ▶ **CSS Advance**
- ▶ **CSS Animation**
- ▶ **CSS radienradients**
- ▶ **CSS translate**
- ▶ **CSS z-index**
- ▶ **CSS Loader**
- ▶ **CSS Transition**
- ▶ **CSS Tooltip**
- ▶ **CSS Flexbox**
- ▶ **CSS Flex Properties**
- ▶ **CSS User Interface**
- ▶ **CSS Flex Properties**
- ▶ **CSS Design - Grid, Layout, Table, Box Model**

Java Script

- ▶ **Introduction to HTML and HTML 5**
- ▶ **What is JavaScript?**
- ▶ **JavaScript Techniques**
- ▶ **JavaScript Basics – Comment, Variable, Data types, Operator, Conditional Statement, Looping statement, Function**
- ▶ **JavaScript Object– Object, Math, Date, Array, String, Number, Boolean**
- ▶ **JavaScript DOM & BOM**
- ▶ **JavaScript OOP**
- ▶ **JavaScript Validation**
- ▶ **JavaScript Cookies**
- ▶ **Exception Handling**

Advance Java Script

- ▶ **JavaScript Advance-Typed Array, Set, Map, Redirect, Scroll, Scope, Sleep, Form.**
- ▶ **JavaScript JSON**
- ▶ **JavaScript RegEx**
- ▶ **JavaScript Symbol**
- ▶ **JavaScript Web API**
- ▶ **JavaScript Ajax**
- ▶ **JavaScript Graphics**
- ▶ **Bootstrap version difference**
- ▶ **Promises-Async , Await**

Bootstrap

- ▶ **Introduction to Bootstrap**
- ▶ **Bootstrap version difference**
- ▶ **What is Bootstrap?**
- ▶ **Bootstrap container**
- ▶ **Bootstrap Examples on Button, Grid, Jumbotron, Table, Form, Alert, Wells, Label, Panels, Pagination, Pager, Image, Glyphicon, Progress Bar, List Group, Dropdown, Collapse**
- ▶ **Bootstrap Advance**
- ▶ **Tabs/Pills**
- ▶ **Navbar**
- ▶ **Input type**
- ▶ **Modals**
- ▶ **Popover**

AJAX

- ▶ **Introduction to Ajax**
- ▶ **XML Http Request Methods and Properties**
- ▶ **JavaScript code for Ajax**
- ▶ **Using Ajax for tabbed based interfaces, pagination, RSS display boxes, external page inclusion and interstitial content boxes**
- ▶ **Implementing Ajax techniques with a server scripting language**
- ▶ **Introduction to Ajax toolkits for rapid development**
- ▶ **Final project coding**

Jquery

- ▶ **Introduction to JQuery**
- ▶ **What is JQuery?**
- ▶ **History**
- ▶ **Selectors**
- ▶ **JQuery Effects**
- ▶ **JQuery with HTML/CSS**
- ▶ **JQuery Form**
- ▶ **JQuery Events**
- ▶ **JQuery AJAX method**
- ▶ **JQuery Examples**

Angular JS (Overview)

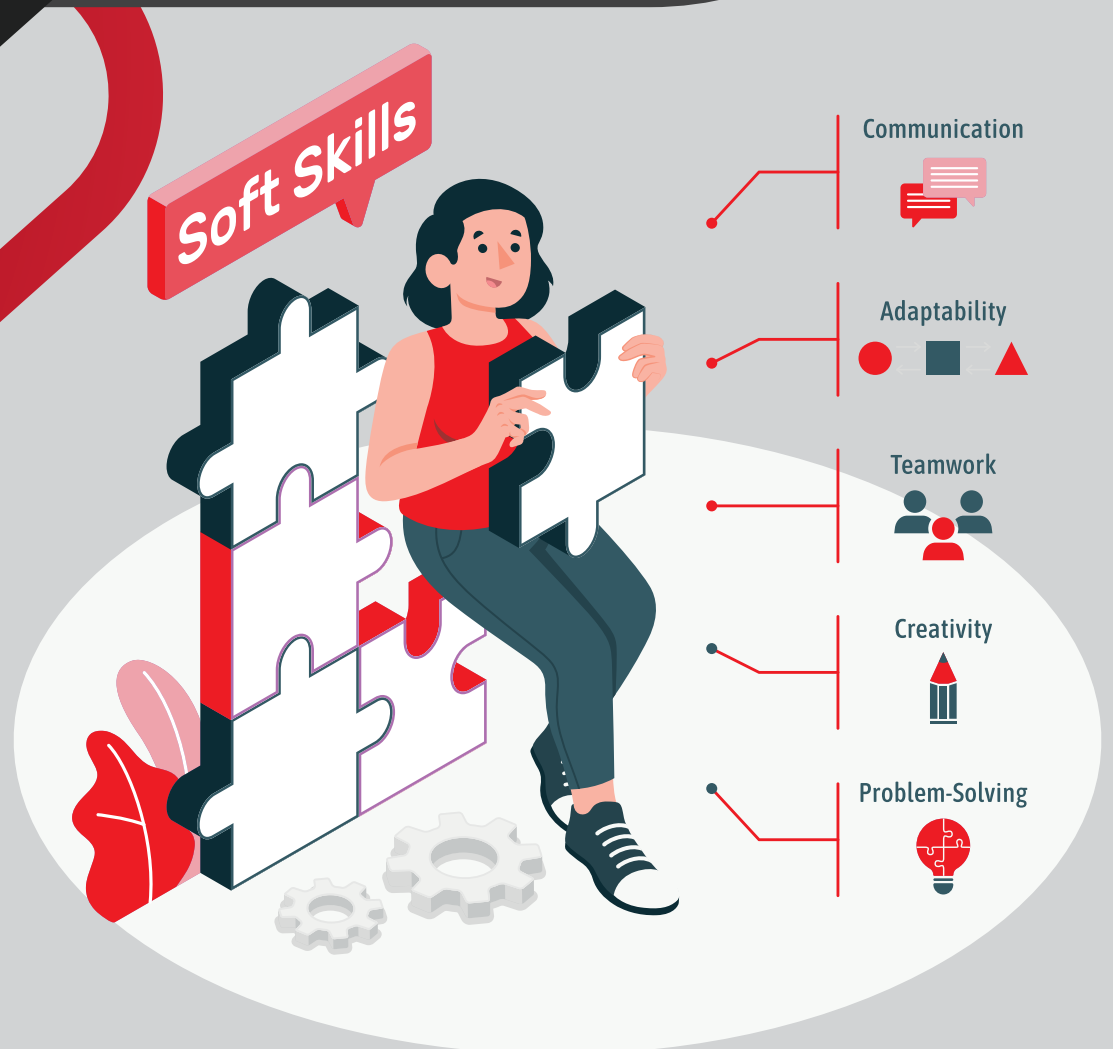
- ▶ **1 Introduction to Angular**
- ▶ **2 Desktop applications**
- ▶ **3 Native applications**
- ▶ **4 Progressive web applications**
- ▶ **5 Extension of HTML with new attributes.**

Github

- ▶ **Introduction to Git**
- ▶ **Installation and setup**
- ▶ **Working with remote repositories**
- ▶ **Branching and Merging in Git**
- ▶ **Git workflows**
- ▶ **Git plugins with IDE**



Soft Skills



Soft Skills

Communication



Adaptability



Teamwork



Creativity



Problem-Solving



Basic

- ▶ **Introduction, Parts of Speech**
- ▶ **Noun- Types -**
- ▶ **Pronouns- Types, Activity**
- ▶ **Be form, Have form, Do form**
- ▶ **Adjectives and Verbs**
- ▶ **Simple Present Tense, Activity**
- ▶ **Simple Past Tense, Past experience sharing**
- ▶ **Simple Future Tense, Activity**
- ▶ **Present Continuous Tense, Past Continuous Tense**
- ▶ **Future Continuous Tense, Activity**
- ▶ **Adverbs- Types**
- ▶ **Prepositions**
- ▶ **Conjunctions, interjections**
- ▶ **Conditional sentences, Activity**
- ▶ **Present Perfect Tense**
- ▶ **Past Perfect Tense**
- ▶ **Future Perfect Tense**
- ▶ **Present Perfect Continuous Tense**
- ▶ **Past Perfect Continuous Tense**
- ▶ **Articles**
- ▶ **Modal Auxiliary Verbs**
- ▶ **Active and Passive Voice, exercises**

Intermediate

- ▶ **Group Discussion**
- ▶ **Debate**
- ▶ **Roleplays**
- ▶ **Presentation**
- ▶ **Ex-tempore**
- ▶ **Body language (Gestures, posture, eye contact, Facial Expressions)**
- ▶ **Proverbs, Idioms and Phrases**
- ▶ **SWOT Analysis**
- ▶ **General Etiquettes**

Advanced

- ▶ **Time Management**
- ▶ **Interview Skills (Before, During, After Interview)**
- ▶ **Email Writing**
- ▶ **Resume writing**
- ▶ **Telephone etiquettes, Role plays**
- ▶ **Phrasal Verbs**
- ▶ **Presentations**
- ▶ **Mock Interviews**