



**SALESFORCE
DEVELOPER CERTIFICATION**



Learning Collaborations



Global Certifications



About the Salesforce Developer Program

Learn about Apex programming and Salesforce development.

This course is divided into two parts: Basic and Advance.

The Basic section of the course covers basics of programming knowledge. All the basic Apex keywords, Variables, If Else statements, Loops, Interfaces, Collections and Inheritance are explained in this section of the course.

In the Advanced section of the course, we will learn about triggers, test classes, DML statements, SOSL (Salesforce Object Search Language), SOQL (Salesforce Object Query Language), Salesforce Exceptions, Custom Exceptions and lot more.

Course outcome for Salesforce Developer Certificate

- Variables
- Decision Control Statements
- Loops: Different types of loops in Salesforce
- Object Oriented Concepts
- Static and Non-static Methods & Variables
- Access Modifiers in Apex
- Constructors in Apex
- Inheritance
- Collection (List, Set and Map)
- Exceptions in Salesforce
- Built-In Exceptions and Custom Exceptions
- DML Statements
- Apex Triggers

Prerequisites for Salesforce Developer Training

This course assumes no previous experience, and takes you from the absolute beginner concepts like creating your developer's account, writing your very first Apex program, and then goes into more detail as we explore the entire Apex feature set.

Modules covered under Salesforce Developer Program

Module 1 : Salesforce Developer Overview

- *Introduction to the course*
- *What is Apex in Salesforce?*
- *Apex Syntax: How to better understand the Apex Syntax and Logic in Salesforce?*
- *Setting up Developer Account and walk-through of Developer console.*

Module 2 : Variables in Apex

- *What are Variables and how to declare variables in Apex?*
- *Variable Declaration: Using variables to store 3 numbers and adding them*
- *Variable Declaration: Using Variables to calculate Simple Interest*

Module 3 : Primitive data types in apex

- *Data Types in Apex: Learn about data types and what are the different data types*
- *Primitive Data Type in Salesforce: Data Class in Apex and its methods*
- *Primitive Data Type in Apex: Time Class In Salesforce and its methods*
- *Primitive Data Type: Datetime Class in Salesforce and its methods*
- *Datetime Class with Example*
- *String data Type in Apex: String Class and its methods in Apex*
- *String Data Type in Apex: Learn about String methods with Example*
- *String Class and its methods with Example*

Module 4 : Operators in Apex

- *Overview of Operators in Apex: What are the different Operators in Apex*
- *What are different operators in Apex? Learn with help of examples*

Modules covered under Salesforce Developer Program

Module 5: Conditional (If-Else) Statements

- *Conditional If- Else statements in Apex*
- *If Else statement in Apex with Example*
- *If-Else-If statement in Apex: Learn about if else if ladder*
- *if Else If statement in Apex with Example*

Module 6: Switch Statements in Apex

- *Overview of Switch Statements in Apex*
- *Switch Statement with example*
- *Switch Statement in Salesforce with example*
- *Salesforce Switch Statements: Learn about Switch Statements in Apex*
- *Difference between Expressions and statements: What are expressions &Statements?*

Module 7: Loops in Apex

- *What are Loops in Apex? Different types of Loops in Apex*
- *While Loop in Apex With example*
- *For Loop in Salesforce with the help of an example*
- *What is an Infinite Loop in Apex? How to avoid infinite loops in apex?*
- *Different types of for Loop in Apex*
- *Break and Continue Statements in Loops: Difference between break and Continue*
- *Nested for loop in salesforce*
- *How a nested loop works?*
- *Nested for loop with example*

Modules covered under Salesforce Developer Program

Module 8: Object Oriented Concepts in APEX

- *What Is a Class and Object in Apex??*
- *What is a Class and Object with Example*
- *Classes and Objects*
- *Static and Non Static Method*
- *Static and Non-static variable*
- *Access Modifiers in Apex*
- *Constructors in Apex*
- *Inheritance in Apex*

Module 9: Collections in Apex (List, Set and Map)

- *Collection (List ,Set and Map)*
- *Collections in Salesforce : List,Set and Map*
- *List methods in salesforce apex*
- *Difference between set() and add() method of List*
- *How to debug incompatible collection type error?*
- *Sorting a list in apex salesforce*
- *Set and Map in salesforce*
- *Iterate over a set in salesforce: clear() method*
- *Map in salesforce with example*
- *Adding values to a map in salesforce*
- *Can you put a list inside of a Map?*
- *Collection:List, Set and Map*

Module 10: SObjects in Salesforce

- *SObject in salesforce: What is an SObject?*

Module 11: SOSL and SOQL queries in Salesforce

- *Difference between SOSL and SOQL ?*
- *How to write SOSL and SOQL queries in Salesforce?*

Modules covered under Salesforce Developer Program

Module 12 : Exceptions in Salesforce

- *Exceptions in Salesforce*
- *How to handle exceptions in Salesforce with example?*
- *Try-catch statement in Salesforce*
- *Built in exceptions in Salesforce: What is List exception and how to handle it?*
- *Built in exceptions in Salesforce: Null Pointer exception*
- *Query Exception in Salesforce and how to handle it?*
- *SObject Exception in Salesforce and how to handle it using try-catch block?*
- *Exception methods in Salesforce*
- *Exception class methods with example*
- *Dml exception methods in salesforce*
- *Dml exception methods in practice*
- *Methods related to DML exceptions*
- *Try with multiple catch and finally block*
- *Try with Multiple catch block*
- *Custom Exceptions in salesforce: How to create custom exceptions and throw them?*

Module 13 : Advance APEX

- *DML : Insert and Update*
- *Delete and Undelete DML operation*

Module 14 : Triggers in Salesforce

- *What are Triggers???*
- *Trigger to update the description on Contact object before inserting a Record*
- *Update the description field on Contact object*
- *Insert and Update Trigger*
- *Upsert (Update and Insert at the same time)*
- *Throw Error when User tries to delete the contact without Account*
- *Trigger.New with Example*
- *Trigger.Old with Example*
- *Difference between Trigger.New and Trigger.old Context variables*

Modules covered under Salesforce Developer Program

Module 15 : Apex Transactions in Salesforce

- Apex transaction in salesforce: Salesforce transaction management
- Apex transaction with example: Transaction control in Salesforce
- Batch apex in salesforce: What are the methods in batch apex ?
- How to process more than 50000 records in Salesforce?
- Stateful and Stateless in Batch Apex

Module 16 : Salesforce Web Services

- Salesforce Web Services: REST and SOAP webservices
- Expose method as REST Resource

Module 17 : Apex REST Methods

- Rest web services in salesforce
- APEX REST methods
- Apex Rest Methods Part 2

Module 18 : Apex Test Classes

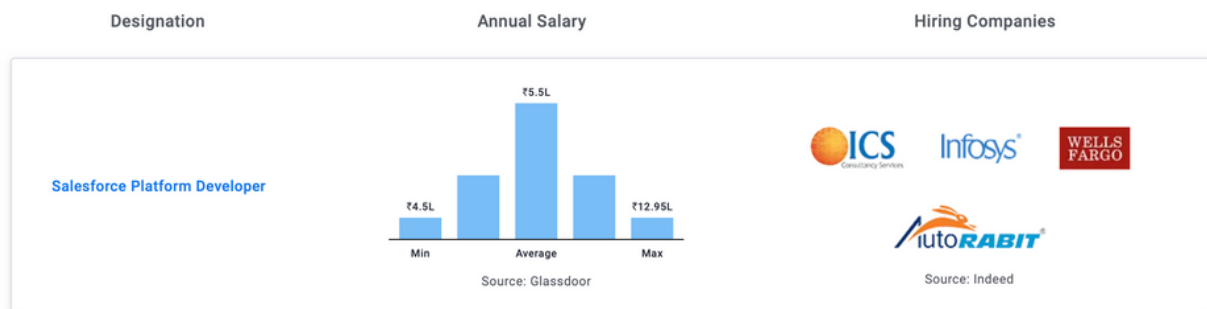
- Apex Unit test: why do we need test classes in salesforce?
- How to write test classes in Apex Salesforce?
- Apex Test Class Example
- How to increase code coverage in salesforce?
- Code coverage from one sandbox to another
- Trigger events in salesforce
- Best practices in salesforce development

Modules covered under **Salesforce Developer Program**

Module 19 : *Projects And Interview Preparation*

- *Project Work*
- *PD Classes*
- *Resume Preparation*
- *Interview Question Preparation*

Benefits as **Salesforce Developer Program**



Our Training Benefits as **Salesforce Developer Program**

- Our complete training is constructed as per the current industry standard.
- Live Project & Industrial Based Training.
- One of the biggest team of Certified Expert & Competent Trainers.
- Easy to understand study material.
- Regular and Weekends classes for IT & Software training is provided.
- Interaction, analysis and case studies are an integral part of the training.
- Smart Labs with Real Latest Equipments.
- Students are free to access the labs for an unlimited number of hours
- Free Study Material, e-PDFs, Video Trainings, Sample Questions.
- Globally Recognized Course Completion Certificate.
- The ability to retake the class at no-charge as often as desired.
- One-on-One attention from instructors.
- Helps students to take knowledge of complex technical concepts.
- Post Training Support will help the students.
- Personality Development & Interview Preparation classes.
- 100% Job Assistance with dedicated training & placement team.



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Hi All, I am Shilpa and i have done my Certification from TechVidya. The study environment is good and trainers are full of knowledge. I personally recommend TechVidya Institute to all the students who looking for quality education and sincere about there future.

I am grateful to TechVidya - both the faculty and the Training & Placement Department. They've made efforts ensuring maximum number of placed students. The Institute started grooming us for placements in the first few months including courses such as Professional Excellence Program and Professional Skills Enhancement. I suggest to join TechVidya which comes under top 10 IT & Software training institute.



Hi I am Amit Kumar and my Enrollment ID with TechVidya is TV230967. I completed my Certification from TechVidya. They provides IT & Software courses in more practical & real scenario basis. Complete project based training help me to sharpen my technical skills.

TechVidya has always believed in helping and guiding its students and it was no different during the placement time. Regular classes held to help us with our aptitude and technical skills. Recommend to all the students who looking for best computer classes with quality education. Thanks TechVidya for explore my career.



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Career Assistance Services



Career Oriented Sessions



Throughout the Course



Resume & LinkedIn Profile Building



After 70% of the Course Completion



Mock Interview Preparation



After 80% of the Course Completion



1 on 1 Career Mentoring Sessions



After 90% of the Course Completion



Assured Interviews



After 90% of the Course Completion



1 Year Placement Assistance

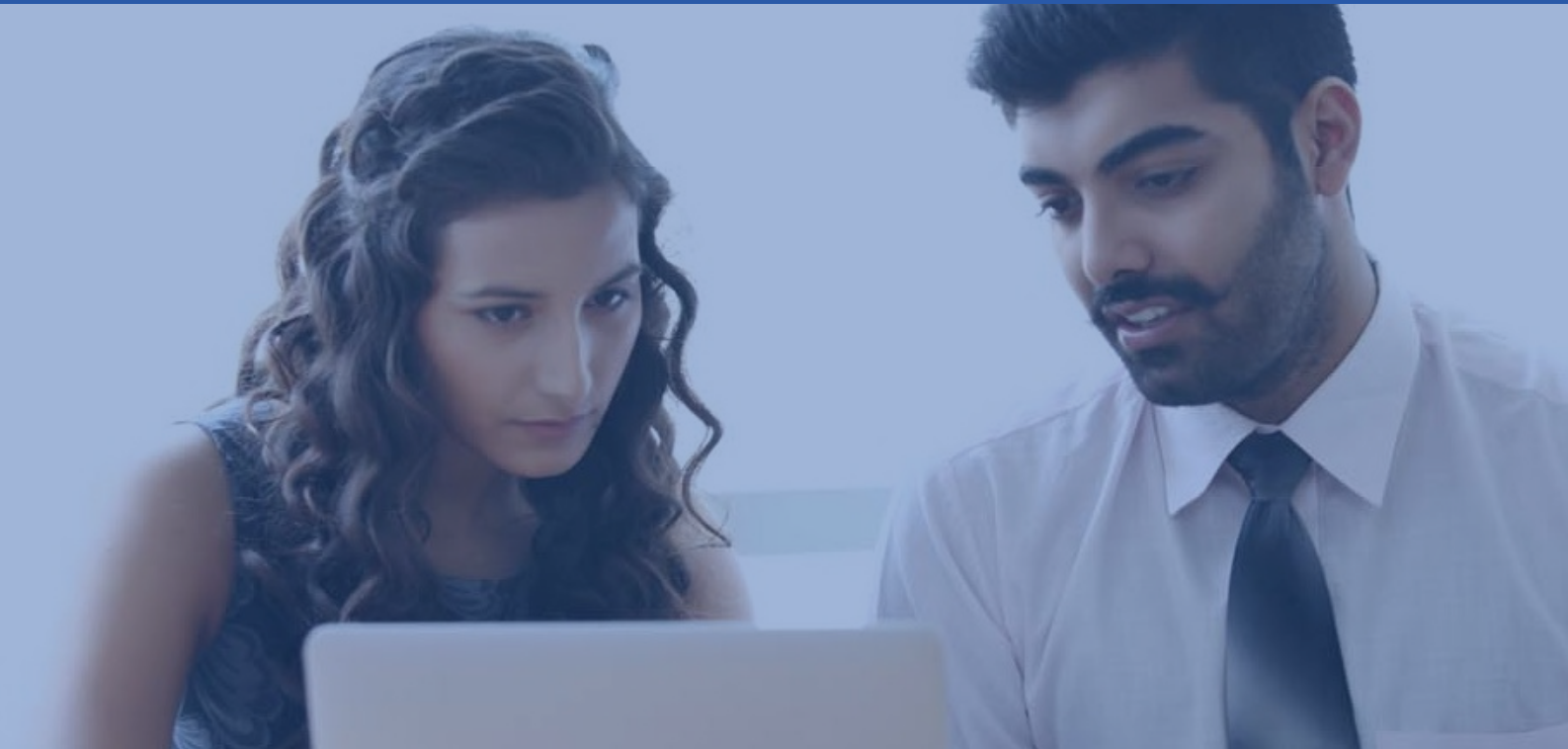


After 100% of the Course Completion



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