SAP ABAP Course Curriculum

Day-1: Introduction, ABAP Dictionary, ABAP Programming Techniques

Introduction to SAP ABAP

- What is SAP
- SAP Architecture and where ABAP fits in
- ABAP Development Workbench Tools
- Object Navigator
- Workbench Organizer
- Data Dictionary
- Menu Painter
- Screen Painter

ABAP Dictionary

- Tables
- Views
- Lock Objects

ABAP Programming Techniques

- Reports Statement
  - Line Size
  - Line-count
  - Message
  - Page Heading
  - Report Comment Section

Day-2: ABAP Programming Techniques

- Declarations

    o Tables

    o Includes

    o Variables (Data Types and Data Objects)

    o Structures

    o Internal Table

    o Constants

- Selection Screen / Input Fields

    o Parameters

    o Select:- Options

    o Section Screen Formatting

- Program Events

    o Initialization

    o Start of Selection and End of

    o Selection

    o At Selection Screen

    o At Line Selection

    o At User:- Command

- Formatting and Displaying Data

- o   Event for Page Headers and Footers

- o   Display Options

- Internal Table Operations

- Subroutines

- Function Group and Modules

- Logical Database

- Variants

- Create Transactions for Reports

Day-3: Data Transfer Methods

- Overview of Data Transfer

- External Data Access

  - o   Data Analysis and data files

  - o   Upload and download data from / to presentation server

- Standard data transfer program

  - o   Direct Input Method

  - o   BDC program

  - o   Call transaction Program

- Transaction Recorder

- Data Transfer Workbench Concepts

- Legacy System Migration Workbench (LSMW)

▪ BAPIs (Introduction as a data transfer method)

Day-4: SAP ABAP Dialog Programming

▪ Introduction to Dialog Programming

▪ Screen Painter

▪ Screen Elements for Input/Output

▪ Sub-screens

▪ Tab-strips

▪ Table Controls

▪ Menu Painter

▪ Create GUI Status and Title Bar

▪ Create Menu Bar for a Screen

▪ Define function Keys

▪ Create Application Tool Bar for a Screen

▪ Screen Flow Logic

▪ Understand screen flow logic

▪ Create Process After Input and Process before Output modules

▪ Use message for error processing

▪ Call list processing within a transaction

Day-5: Performance Tuning, Advanced Features

Performance Tuning

- Types of Program Analysis
- Static Checks
- Dynamic Checks and Short Dump
- Analysis
- ABAP Debugger
- Breakpoints in Programs
- Breakpoints in the Debugger
- Performance Tools
- Runtime Analysis
- SQL Trace

Introduction to Advance Features

- Interfaces
- Introduction to ALE and IDOCS
- Enhancement Concept
- ALV (ABAP List Viewer)
- Saving Lists and Background Processing