



SAP ABAP COURSE CONTENT

INTRODUCTION:

- Overall Introduction to ERP
- What is SAP?
- What is ABAP/4?
- Architecture of SAP R/3
- ABAP/4 syntax
- ABAP program layout
- Working with ABAP Programs
- Data Types & Data Objects
- String operations
- Control statements
- ABAP Workbench tools

DATA DICTIONARY :

- What is DDIC?
- Tables
- Data elements
- Views
- Domains
- Search Help
- Lock Objects
- Table Maintenance Generator
- Primary & foreign key

INTERNAL TABLES:

- Purpose of Internal Tables
- Types of Internal Tables
- Examples on Internal Tables

DEBUGGING CONCEPTS:

- Break points
- Watch points

MODULARIZATION TECHNIQUES:



- Subroutines
- Function Modules
- Macros
- INCLUDE programs

JOINS:

- Inner join
- Left-outer joins

SMARTFORMS:

- **Module Pool Programming/Transactions**
 - Structure of the Transactions
 - Working with Flow logic (PAI,PBO,POV,POH)
 - Screen Painter, Menu Painter
 - Working with Buttons, Step loops, Table control
 - Creation of
 - Sub screens
 - Table controls
 - Tab strips
- **Dynamic Screen**
 - Call screen
 - Set screen
 - Leave to screen
 - Leave screen
- **Enhancements**
 - Concepts of Enhancements
 - User exits and Customer exits
 - BADI's

CROSS APPLICATIONS:

- **BAPI's ALE**
 - Defining Logical systems used for interfaces
 - Outbound/Inbound processing
 - Transferring of Master Data from one system to another system
 - Distribution Model view
 - Outbound using change pointer methods
- **IDOC's**

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- Structure of IDOC
- IDOC – types
- Creation of Segments, IDOC & Message types
- **OO-ABAP Concepts**
 - Data Abstraction
 - Encapsulation
 - Inheritance
 - Polymorphism
 - Classes
 - Object Handling
 - Interfaces
 - Methods
 - Events
- **Control Break Statements Reports**
 - Selection screens
 - Types of reports
 - Classical reports
 - Interactive Reports
 - Events
 - Working with Selection screens
 - Select – Options, Parameters, check boxes, Radio
 - Buttons, Push Buttons
 - Menu painter
 - Hide & Hotspot
 - Message class creation & Message types
 - ALV Reports

🌐 DATA TRANSFER TECHNIQUES:

- **BDC**
 - Overview of BDC
 - Recording
 - Call Transaction method
 - Session method
 - Error handling
 - Handling table control in BDC
- **File Handling**
 - Presentation server
 - Application server



➤ **LSMW**

- Using batch input recording method
- Using BAPI
- Using IDOC

 **SAP SCRIPTS:**

- Components of Scripts
- Layout Sets
- Export to Dataset
- Import from Dataset

 **DATABASE UPDATES:**

- SAPLUMW & DBLUW
- SAP Locks
- LUW Processing