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SAP ABAP

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SAP ABAP

1. Introduction to ABAP/4

- Introduction to ERP
- Introduction to SAP/3, ABAP/4
- ABAP Editor
- System Landscapes
 - ✓ 3 – Landscapes
 - ✓ 4 – Landscapes
 - ✓ 2 – Landscapes
- Data Types & Keywords
- Output Statements
- Arithmetic Operations
- Relational Operations
- Writing Small Programs
- String Operations
 - ✓ Translate
 - ✓ Condense
 - ✓ Concatenate
- Control Statements

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- Selection Screens
 - ✓ Parameters
 - ✓ Select-Options
- Open SQL Statements (Insert, Modify, Delete, Update)
- Simple Reporting

2. Transport Organizer & Package Builder

- Why to Transport?
- Creation of a Task
- What is a Transport Request?
- Releasing of Request
- Package Creation

3. Data Dictionary

- Creation of Database Tables
- Data Element & Data Domain
- Structures & Table Types
- Search Helps
 - ✓ Elementary Search Help
 - ✓ Collective Search Help
- Creation of Views
 - ✓ Database View
 - ✓ Projection View
 - ✓ Maintenance View
 - ✓ Help View
- Type Groups
- Creation of Foreign Keys
- Check & Value Tables

4. Reporting

- Debugging Techniques
- Pillars of ABAP
 - ✓ Work Area
 - ✓ Internal Table
- Modularization Techniques
 - ✓ Sub-Routines
 - ✓ Includes
 - ✓ Function Modules

- For All Entries & Joins
- Events for Classical Reports
- Events for Interactive Reports
- Types of Messages & Message Class Creation

5. ABAP List Viewer

Introduction to ABAP List Viewer

Types of ABAP List Viewer

- Function Module for List Display
- Function Module for Grid Display
- Interactive ALV (SLIS)

6. Interfaces

- Introduction to Cross Applications
- Working with RFC Function Modules
- Overview of Business Objects
- Creation of Business Objects
- Creation of BAPI

7. Conversion

Why Data Transfer?

- Introduction to BDC
- Recording a Transaction
- Methods in BDC
 - ✓ Call Transaction
 - ✓ Session Method
- Flat File Creation
- Uploading Data
- LSMW (Legacy System Migration Workbench)

8. Enhancements

- Introduction to Enhancements
- User Exits
- Customer Exits
- Introduction to BAdIs (Business Add Ins)
- Implementation of a BAdI
- Overview of Enhancement Spots, Enhancement Sections, Enhancement Implementations, Class Enhancements

9. Forms (Scripts & SMARTFORMS)

- Introduction to Scripts
- Layout Sets
- SAP Scripts Elements
- Logo Inclusions
- Working with SMARTFORMS
- Standard Text
- Graphics Managements
- Writing Print Programs & Designing Layouts
- Output Type Configuration to Standard Orders

10. Object Oriented ABAP

- Fundamentals of Object Orientation
- Introduction to Local Classes & Methods
- Importance of Access Specifiers
- Simple Reporting using Local Classes & Methods
- Introduction to Global Classes & Interfaces
- Uses of Global Classes in Reports

11. Module Pool Programming

- Introduction to Module Pool
- Flow Logic
 - ✓ PAI (Process After Input)
 - ✓ PBO (Process Before Output)
- Screen Designing
- Programming in Object Browser
- Creation of Table Controls
- Dynamic Screens
 - ✓ Call Screen
 - ✓ Set Screen
 - ✓ Leave to Screen
 - ✓ Leave Screen

12. Sales & Distribution Flow

- Sales Cycles
 - ✓ Inquiry
 - ✓ Quotation

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- ✓ Purchase Order (MM)
- ✓ Sales Order
- ✓ Delivery
- ✓ Billing
- ✓ Returning Customer

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