eLearning Solutions

Syllabus: SAP ABAP Module Training Course

Overview of ERP

1.1 **What is ERP**
1.2 **Objective of ERP**
1.3 **What is SAP?**
1.4 **Advantages of SAP over other ERP Packages**
1.5 **Different Modules of SAP**
1.6 **Product Overview of Functional Module**
1.7 **SAP Architecture**
1.8 **One End to End Life Cycle Implementation**

SAP Navigation and ABAP Overview

2.1 **Login to sap**
2.2 **Work Processes**
2.3 **Transaction codes (/n and /o)**
2.4 **Data Types & Declarations**
2.5 **Control Statements (if|case |do|while)**
2.6 **Control Program Sequence Statements (Continue,Check & Exit)**

ABAP Dictionary

3.1 **Data Elements**
3.2 **Domains**
3.3 **Tables (Transparent, Pool and Cluster)**
3.4 **Table Maintenance Generator**
3.5 **Primary Key-Foreign Key Relationship**
3.6 **Structures**
3.7 **Index**
3.8 **Type Groups**
3.9 **Table Types**
3.10 **Views**
3.11 **Search Helps**
3.12 **Lock Objects**

Internal Tables and Work areas

4.1 **Types, tables and work area declaration**
4.2 **Append,modify,insert,loop,read statements**
4.3 **Commands in ABAP (Refresh,free,clear,delete,exit,continue,check,stop & describe)**
4.4 **Control Break Statements (At New, At End of, First & Last)**
4.5 **Open SQL (Inner , Outer join & For all entries)**

Reports (Basic and Interactive)

5.1 **Events (initialization, the start of the selection, at line selection, a user command, hide, top of the page & end of page)**
5.2 **GUI status creation**
5.3 **Demo Interactive program**
5.4 **Debugging Techniques**
5.5 **Selection Screen**

5.6 **Defining selection screens-Parameters and Select-options,checkbox,radio button.**

5.7 **Hiding input fields**

5.8 **Modifying input fields**

5.9 **Formatting selection screens**

5.10 **Calling selection screen**

5.11 **Useraction on the selection screen**

5.12 **Selection screen processing**

5.13 **Subscreens and tab strip control on the selection screen**

Function Module

6.1 **Function Groups**

6.2 **Parameter Passing Mechanisms**

6.3 **Different Parameters in FM**

6.4 **Exception Handling**

6.5 **Sample Function Modules**

6.6 **Types of Function Modules**

6.7 **Demo on RFC Function Modules**

6.8 **Demo on Update Modules**

6.9 **Enhancement & Modification**

Subroutines

7.1 **The Pass by value,**

7.2 **Pass by Reference, & Pass by value**

ALV Report

8.1 **Type Pools**

8.2 **Field Catalogs**

8.3 **Layouts**

8.4 **FM used for Display Report**

8.5 **Event Handling for Top of Page**

Module Pool Programming

9.1 **The Screen Attributes**

9.2 **Module Pool Screen elements**

9.3 **Screen fields**

9.4 **Flow logic for Screen**

9.5 **User actions on screen**

9.6 **Calling ABAP dialog modules**

9.7 **Input checks**

9.8 **Field help, Input help, and Dropdown boxes**

9.9 **Modifying screen dynamically**

9.10 **Status icons**

9.11 **Subscreens**

9.12 **Tabstrip controls**

9.13 **Custom controls**

9.14 **Table control**

SAP Scripts

10.1 **Layout,Header,Pages,Windows,Page**

10.2 **windows,Paragraph & Character Formats**

10.3 **Text Elements**

10.4 **Open form,write form,control form,close form**

10.5 **Control Commands**

10.6 **Text Formatting Options**

10.7 **Symbols (System,Standard,Program & Text)**

10.8 **Debugging Script**

Smartforms

11.1 **Architecture**

11.2 **Form Design**

11.3 **Form Builder (Form Painter, Global Settings, Pages & Windows, Inferior Nodes)**

11.4 **Application Program**

11.5 **Language Conversions**

Data Transfer: BDC

12.1 **Types of BDC (Session and call transaction)**

12.2 **The files Handling for application server Function modules for session method**

12.3 **The files Handling for presentation server**

12.4 **Function modules for call transaction method Recording using SHDB The files Handling for presentation server**

12.5 **Display and Update modes**

12.6 **Difference between Session method & Call transaction method**

12.7 **BAPI**

Performance Tuning & Coding Standards

13.1 **SQL Trace**

13.2 **ABAP Runtime Analysis**

13.3 **Code Inspector**

Enhancement

14.1 **BADI**

14.2 **Customer Exit**

14.3 **User Exit**

14.4 **Enhancement framework**

14.5 **Routines**

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SAP ABAP Stands for (Advanced Business Application Programming)