

Enterprise Application Development using SAP-ABAP

By

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- 1 Introduction to ERP
- 2 Introduction to SAP, Introduction SAP R/3 architecture, Introduction to SAP ABAP/4 , SAP System Landscape, SAP HANA
- 3 ABAP Fundamental
ABAP/4 editor (Focus on the functionalities of new ABAP editor), Data types, Output statements, Writing small programs, Arithmetic operations, String operations, Control statements, Parameters, Open SQL–statements (insert, modify, delete, update), Simple reporting. Selection screens, Transaction code creation, Data Dictionary, Tables, Data element , Domain Structures Search helps Views Type Groups Table maintenance generator and T-code creation, Primary and foreign keys. Check and value tables.
- 4 Repeating
Debugging techniques. Breakpoint creation. Watch point creation. Internal tables. Declaration Processing. Population. Control Break Statements. Modularization techniques. Includes. Subroutines. Function modules. Macros Variants. Conversion exits. For all entries and joins (inner and left outer). Message class creation & message types and handling messages. Events for classical reports. Events for interactive reports. Hide and hotspot. Creating and handling buttons. Menu painter.
5. ALV Introduction
Types of ALV , Simple report to display simple ALV List using Function Modules Simple report to display simple ALV grid using Function Modules. Adding new buttons in the ALV toolbar and handling events. Working with ALV using classes (List, Grid and Tree).
6. DIALOG Programming
Introduction to screen painter and dialog programming. Flow logic. Screen designing. Programming in object browser. Field validations. Creation of Normal Screens Sub Screens. Table Controls. Tab Strips. Dynamic Screen. Call Screen. Set Screen. Leave to Screen. Leave Screen. Processing of list from transaction and vice versa. Screen table and its fields.
7. INTERFACE Programming
Why Data Transfers, Introduction to BDC. Recordings. Methods in BDC. Call transaction. Session method. Error Handling in Call Transaction. Handling Table Controls in BDC and Screen Resolutions.
8. SAP Scripts
Introduction. Layout Sets. SAP Script Elements. Uploading logo.
9. SMARTFORMS Working with smart forms. Standard Texts. Graphics management. Writing print program and designing layouts. Output type configuration to standard orders.
10. Introduction to Business Server Pages, Web Dynpro and CDS.
11. ABAP OOPS

Fundamentals of OOPS. Introduction to Local classes and methods, Importance of Public, Private and Protected sections. Simple reporting using local classes and methods. Global classes and interfaces, etc.