1.ERPs

ABAP

1. Introduction to ERP & ERP Products
2. List of ERP Products
3. Merits Of ERP Products
4. SAP as One of the ERP Product

1. SAP R/3 in Detail
    1. History of SAP R/3
    2. R/3 Architecture in Detail
    3. SAP R/3 Versions
    4. Merits of SAP R/3
    5. New Dimensional Products
    6. Sap Logon
2. ABAP & ABAPer Role
    1. Introduction
    2. Roles Of ABAPper
    3. ABAP Syntax
    4. ABAP Data Types
    5. Variables, Key words, Operators

1. Basic ABAP Programming
    1. Variables
    2. Parameters
    3. System Variables

1. Controlling Techniques
    1. Branching
    2. Looping

2. Strings in Details
3. ABAP (Data Dictionary)
    1. Introduction and Purpose

2. Tables
3. Data Elements and Domains
4. Handling Currency and Quantity Fields
5. Foreign Key Relationship
6. Views
7. Search Helps
8. Types of Tables

4. Internal Tables
    1. Introduction and Purpose
    2. Types of Internal Tables
    3. Operations on Internal Table

1.

9. open SQL in Detail

9.1 Introduction ,Reading and Changing Database

1. Modularization Techniques
    1. Introduction and Advantages
    2. Function Modules
    3. Subroutines
    4. Macros and Include Programs
2. Reports
    1. Introduction and Purpose
    2. Types of Reports
    3. Classical Events in Details
    4. Interactive Events in Details
    5. Conversion Exits
    6. Joins
    7. For all entries
3. Batch data Communication (BDC)
    1. Overview of BDC

2. Types of BDC Programming
3. Call Transaction in Detail
4. Session Method in Detail

12.6 Recording in BDC Programming

1. Smart forms
    1. Features of Smart forms
    2. Main, Secondary, Copy and Final Windows
    3. Types Of Text elements
    4. Working with Tables in smart forms
    5. Working with labels in smart form
1. Working with graphic window and address window
2. Program Lines
1. Transaction / Dialog (Module Pool) Programming
    1. Introduction and Purpose
    2. Screen Painter, Menu Painter
    3. Flow Logic and Flow Logic Key words
    4. Sub Screens and Sub screen Areas
    5. Tab strip Controls
    6. Table Control

Advanced ABAP -1

Object Oriented ABAP

1. What is Object Orientation
    1. Introduction
    2. Advantages of OOPs
    3. Data Abstraction
    4. Encapsulation

5. Inheritance
6. Polymorphism

2. Form Function Groups to CLASSes
3. Object Oriented Concepts In Detail

Types of Classes and Methods

Define and Implement Global Classes and Methods Local Classes and Methods Constructor

Visibility Sections

1. OOPs Application - BDC Programming
    1. Develop a Common Global Class for BDC
    2. BDC Program Using BDC Class
    3. The Same class and Program through Local classes
1. Inheritance
    1. Global Class for Session method from Common BDC Class
    2. BDC Program
    3. Inheritance Using Local & Global Classes
2. Polymorphism
    1. Interfaces - Polymorphism
    2. Defining and Implementing
    3. Global Interfaces
    4. Local Interfaces
1. Events
    1. Defining, Triggering (Rasing)
    2. Handling
2. ALV

1. ALV using Function Modules
    1. Classical ALV
    2. Interactive ALV
    3. Blocked ALV
    4. Hierarchical ALV
    5. Field Catalog
2. ALV using Objects Oriented
    1. Simple ALV
    2. Interactive ALV
    3. Adding Custom Functionalities (Buttons)
    4. Changing, Enhancing Standard Functionality
    5. Coloring Rows, Columns and Cells
    6. Exceptions ALV

1. Enhancements & Enhancement SPOTs Customer /User Exits
    1. Locating Exits
    2. Implementing Exit
        1. Function Module Exists
        2. Screen Exit
        3. Menu Exits

BADIs in Detail

Features of BDIs

Differences between Exits and BDIs

Implementation BADIs Function BADIs Screen BADIs Manu BADIs

Defining and implementing Custom BADIs

Enhancement SPOTs

Implict , Explict SPOTs Function Group Enhancement Class Enhancements

Pre-Exit, Post-Exit, Overwite

Advanced ABAP-II

Cross Application concepts

1. BAPIs In Detail
    1. Introduction to BOR and BAPIs
    2. Standard BAPIs
    3. Custom BAPIs
    4. BAPI Enhancements

ALE In Detail

1. Application Link & Enabling (ALE) and IDOCs
    1. Introduction to ALE Technology
    2. IDOCs in Detail
    3. IDOC Design Guidelines
    4. IDOC Runtime Components
    5. Outbound /IDOC Generation Process
    6. Inbound /IDoc posting Process
1. ALE Communication Settings
    1. Logical Systems
    2. RFC Destinations
    3. Port Definition

2. Distributing Master Data through Standard IDoc
    1. Send Whole Copy
    2. Change Pointers
    3. Get/Fetch/pull whole Copy Every time

1. Filtering
    1. IDOC Filtering
    2. Segment Filtering
    3. Reduced message Type
2. Distributing the Transactional data
    1. Message Control Technique
3. ALE Troubleshooting & Recovery
4. Outbound & Inbound Process

1. Custom IDOCs Development and Programming
    1. Creating a New IDOC
    2. Configure Outbound Process
    3. Configure Inbound process
    4. Writing Outbound Program
    5. Writing Inbound program

1. Distributing Data through custom IDOC

12.9 extended IDOCs Development and Programming

1. Creating Extended IDOc
2. Configure the Outbound Process
3. Configure the Inbound Process
4. Outbound Programs for Extended Idocs
5. Inbound Programs For Extend I Docs
6. Distributing data through Extended IDocs

1. Background job creation in real time

1. Performance tuning steps in sap abap program

1. Variant creation for batch job in sap and programs

1. Transportation management

1. Importance Of ABAP Project
2. Types Of SAP Projects
3. Difference between asap and agile methodology
4. Role Of ABAPer In Each Type Of Project
5. Naming Standards in the Project
6. Coding Standards in the Project
7. List of Documents Used In the Project
    1. TS/TDD
    2. FS/FDD
    3. UTP
    4. Issue Logs

How to Prepare the above Documents

1. Code Inspector & EPC, Code Review
2. SD and MM flow with tcodes and tables
3. Objects(FS) Analysys From Basic ABAP Concepts
1. Objects(FS) Analysys From ADVANCED ABAP Concepts
    1. BAPIs
    2. User Exits
    3. BADIs
    4. Enhancement SPOTs — Implict & Explict
    5. Object Oriented ABAP
    6. ALE — Idocs

Standard IDocs Custom IDocs Extended Idocs

1. Tickets/Tokens Resolutions in the Support Project

10 . Resume Preparation & Guidance