

Advanced Business Application Programming (ABAP)

Content of ABAP TAW10

- SAP NetWeaver Application Server fundamentals:
 - SAP Systems and SAP Applications Portfolio
 - SAPGUI and navigation in AS ABAP systems
 - System Core
 - Communication and integration technologies
- ABAP Workbench Foundations:
 - ABAP program processing
 - ABAP Workbench tools
 - ABAP language basics, Open SQL
 - Modularization techniques
 - Complex data objects, structures and internal tables
 - Data modeling and data retrieval
 - Classic ABAP reports
 - Program analysis tools
 - Program calls and memory management
- ABAP Dictionary:
 - Domains, data elements, structures
 - Transparent tables, pool tables and cluster tables
 - Input checks
 - Dictionary object dependencies
 - Changes in table structure
 - Views
 - Search helps
- Classical UI programming:
 - Selection screens
 - Screens (dynpros)

Content of ABAP TAW12

- ABAP Objects:
 - Object-Oriented Programming
 - Fundamental Object-Oriented syntax
 - Inheritance and casting
 - Interfaces and casting
 - Events
 - Global Classes and Interfaces
 - Exception handling
 - ABAP Object-Oriented examples – ALV and BAdIs
 - Abstract classes, factory methods, singletons

- Shared Objects and shared memory areas
- Dynamic programming:
 - Generic data types
 - Field symbols and data references
 - Runtime Type Identification (RTTI)
 - Runtime Type Creation (RTTC)
- Enhancements and modifications:
 - Adjustment of SAP Standard Software
 - Enhancing Dictionary elements
 - Customer Exits
 - Business Add Ins (BAdIs)
 - Modifications of the SAP standard applications
 - Implicit and Explicit Enhancements
- Fundamentals of Web Dynpro for ABAP
 - Web Dynpro Components, Windows and Views
 - Web Dynpro Controllers
 - Web Dynpro Context
 - Web Dynpro User Interface
 - Controller and Context programming
- Certification test to become an SAP Certified Development Associate – ABAP with SAP NetWeaver 7.5