

SAP ABAP interview questions

- ⇒ What is ERP?
- ⇒ What is SAP?
- ⇒ Give different SAP modules?
- ⇒ Explain Technical module of SAP?
- ⇒ Explain Functional module of SAP?
- ⇒ What is ABAP?
- ⇒ What are different types of ABAP programs?
- ⇒ What is SAP NetWeaver (NW)?
- ⇒ What is Domain?
- ⇒ Explain 3 layer/ tier architecture of SAP.
- ⇒ What is Data Element?
- ⇒ What is the difference between a Domain and a Data Element?
- ⇒ What is Transparent tables?
- ⇒ What is Pooled tables?
- ⇒ What is Cluster tables?
- ⇒ How do Transparent, Pooled, and Cluster tables differ?
- ⇒ What is the difference between a Work Area and an Internal Table?
- ⇒ When do you use APPEND versus INSERT?
- ⇒ What is Work Area?
- ⇒ What is an Internal Table?
- ⇒ Explain types of Internal Table?
- ⇒ Explain Standard Tables?
- ⇒ Explain Sorted Tables?
- ⇒ Explain Hashed Tables?
- ⇒ What is the difference between a Work Area and an Internal Table?
- ⇒ What is APPEND?
- ⇒ What is INSERT?
- ⇒ When do you use APPEND versus INSERT?
- ⇒ Explain Data Type of an Internal Table.
- ⇒ How to declare internal table?
- ⇒ How to read data from an Internal Table in a Loop?
- ⇒ How do you manage instance in an Internal Table?
- ⇒ How do Tables and Views differ in the Data Dictionary?
- ⇒ What is the difference between an Instance Constructor and a Class Constructor?
- ⇒ What is Interface?
- ⇒ Who to declare and use Interfaces?
- ⇒ What are Abstract Classes?
- ⇒ How do Interfaces differ from Abstract Classes?
- ⇒ What are different types of data classes in SAP ABAP?
- ⇒ What do you mean by Web Dynpro in SAP ABAP?
- ⇒ What are events in SAP ABAP reports?
- ⇒ What's a value table?
- ⇒ What is the difference between a check table and a value table?
- ⇒ Differentiate ABAP Structures and Database Tables.
- ⇒ What is the difference between PASS BY VALUE and PASS BY REFERENCE ?
- ⇒ A system has two clients 100 and 500 on the same application server. If you make changes to a SAPSCRIPT on client 100, will the changes be available in client 500?
- ⇒ What are pool tables?

- ⇒ What is Data Dictionary (DDIC) ?
- ⇒ What is a delivery class in a database table?
- ⇒ What is the step by step process to create a table in data dictionary?
- ⇒ What is Structure?
- ⇒ What is Append Structure?
- ⇒ What is Open SQL?
- ⇒ What is Native SQL?
- ⇒ How do you optimize code for performance in ABAP?
- ⇒ What are Exceptions?
- ⇒ What is a Transport Request in SAP?
- ⇒ What is BAPI?
- ⇒ What is RFC?
- ⇒ How do BAPI and RFC differ?
- ⇒ What is Code Pushdown?
- ⇒ What is Core Data Services (CDS)?
- ⇒ What are Core Data Services (CDS) Views?
- ⇒ What are the benefits of CDS?
- ⇒ What is Core Data Services (CDS) Views entity?
- ⇒ Explain annotations.
- ⇒ Explain search annotations.
- ⇒ Explain @AnnotationName.
- ⇒ Explain @AbapCatalog.
- ⇒ Explain @AccessControl.
- ⇒ Explain @Semantics.
- ⇒ Explain @Analytics.
- ⇒ Explain @ObjectModel.
- ⇒ Explain @Metadata.
- ⇒ Explain association in CDS.
- ⇒ Explain types of association.
- ⇒ Difference between join and association.
- ⇒ Explain composition.
- ⇒ Explain Cross-Business-Object Association or External Association.
- ⇒ Explain DDIC-based CDS view.
- ⇒ Explain behavior definition.
- ⇒ Explain metadata extension.
- ⇒ What do you mean by data dictionary in SAP ABAP?
- ⇒ What is an IDoc in SAP ABAP?
- ⇒ What are AMDPs (ABAP Managed Database Procedures) and when are they used?
- ⇒ What is SAP HANA?
- ⇒ How does SAP HANA benefit ABAP development?
- ⇒ What is AMDP in SAP HANA?
- ⇒ How does Open SQL differ in SAP HANA compared to traditional databases?
- ⇒ What are modularization techniques in ABAP?
- ⇒ Explain Subroutines?
- ⇒ Explain Function Modules?
- ⇒ Explain Methods?
- ⇒ Explain Macros?
- ⇒ What is BAPI?

- ⇒ Difference between function modules and BAPIs
- ⇒ Differentiate between Macros and Subroutines.
- ⇒ Explain IMPORTING Parameters.
- ⇒ Explain Exporting Parameters.
- ⇒ Explain Changing Parameters.
- ⇒ Explain Returning Parameters.
- ⇒ Explain IN, OUT, IN + OUT
- ⇒ Explain method declaration and method implementation.
- ⇒ Explain the use of ME keyword in method.

- ⇒ What are the basic data types in ABAP?
- ⇒ What is ABAP Objects (OOP in ABAP)?
- ⇒ What is class and how it is created?
- ⇒ What is object and how it is created?

- ⇒ Explain inheritance in ABAP.
- ⇒ Give different types of inheritance.
- ⇒ Give advantages of inheritance.

- ⇒ Explain polymorphism in ABAP.
- ⇒ Give different types of polymorphism.
- ⇒ Give advantages of polymorphism.
- ⇒ What is method overloading?
- ⇒ How to call superclass method?
- ⇒ Explain run time polymorphism?
- ⇒ What is an abstract class?
- ⇒ How to create an abstract class?
- ⇒ What is an abstract method?
- ⇒ How to create an abstract method?
- ⇒ What is debugging?
- ⇒ How to debug an ABAP program?

- ⇒ Explain encapsulation in ABAP.
- ⇒ Give advantages of encapsulation.
- ⇒ What is abstraction?
- ⇒ Differentiate encapsulation and abstraction with example.
- ⇒ Explain public, private and protected.

- ⇒ What is local class?
- ⇒ What is global class?
- ⇒ Differentiate local and global classes.
- ⇒ Explain members of class?
- ⇒ What are attributes?

- ⇒ What is an event?
- ⇒ Explain RAISE EVENT.

- ⇒ Explain reference variables.
- ⇒ What is Instance Component selector?
- ⇒ How to access static members?
- ⇒ Explain READ-ONLY with example.
- ⇒ What is constructor?
- ⇒ Give properties of constructor.
- ⇒ What is Instance Constructor?
- ⇒ Explain Explicit default constructor?
- ⇒ Explain single inheritance.
- ⇒ Explain multilevel inheritance.
- ⇒ Explain hierarchical inheritance.
- ⇒ Explain Static Constructor or class constructor.
- ⇒ How to use Static methods in Interfaces?

- ⇒ What is ABAP Cloud?
- ⇒ Explain ABAP Cloud Language.
- ⇒ Explain ABAP RESTful Application Programming Model (RAP).
- ⇒ Explain SAP Fiori UI Technology
- ⇒ Explain Integration technologies.
- ⇒ Explain technical services.
- ⇒ Explain business services
- ⇒ Explain ABAP Development Tools.
- ⇒ Explain Gen AI powered development.
- ⇒ Explain SAP S/4HANA.
- ⇒ Explain SAP BTP.
- ⇒ What are the requirements for ABAP Cloud Installation?
- ⇒ What are the steps to create project in SAP ABAP?
- ⇒ Give the types of projects in ABAP?
- ⇒ Explain ABAP on-premises (Classical ABAP).
- ⇒ What is Modern ABAP development?
- ⇒ What is SAPUI5?
- ⇒ What is Virtual Data Model (VDM)?
- ⇒ What is package?
- ⇒ Explain class definition.
- ⇒ Explain class implementation.
- ⇒ Explain PUBLIC FINAL CREATE PUBLIC in ABAP program.
- ⇒ What is PUBLIC section.
- ⇒ What is PRIVATE section.
- ⇒ What is PROTECTED section.
- ⇒ Explain Interface with example.
- ⇒ Explain Class with example.
- ⇒ Explain Object with example.
- ⇒ How to create object of a class in ABAP?
- ⇒ Explain if_oo_adt_classrun.
- ⇒ Explain if_oo_adt_classrun~main.
- ⇒ What is method explain with example?
- ⇒ Explain out->write('Welcome to ABAP Programming').
- ⇒ Explain out TYPE REF TO if_oo_adt_classrun_out.
- ⇒ Explain namespace.

- ⇒ What is me keyword?
- ⇒ Explain ABAP character set.
- ⇒ What are identifiers?
- ⇒ How do you classify valid and invalid identifiers?
- ⇒ Explain the rules for creating identifiers.
- ⇒ Explain ABAP keywords?
- ⇒ Explain naming conventions in ABAP.
- ⇒ What is comment? Explain with example.
- ⇒ Explain data objects in ABAP?
- ⇒ What are variables?
- ⇒ How to declare variables?
- ⇒ Explain DATA x TYPE string.
- ⇒ Explain DATA y TYPE i.
- ⇒ Explain DATA z TYPE d.
- ⇒ Explain DATA q TYPE c LENGTH 10.
- ⇒ Explain DATA r TYPE n LENGTH 10.
- ⇒ Explain DATA t TYPE p LENGTH 8 DECIMALS 2.
- ⇒ Explain Inline Declarations in Value Assignments.
- ⇒ Explain constant. Types of constant with example.
- ⇒ How to declare constant?
- ⇒ Explain literals. Types of literals with example.
- ⇒ Explain ABAP program structure.
- ⇒ Explain Data types in ABAP?
- ⇒ Explain predefined or built-in or elementary data types.
- ⇒ Explain complex or user-defined.
- ⇒ Explain reference data types.
- ⇒ Explain structure types.
- ⇒ Explain table types.
- ⇒ Explain numeric data types. or Explain I, P, F data types.
- ⇒ Explain character data types. or Explain N, C, STRING data types.
- ⇒ Explain Date/Time data types. or Explain D, T data types.
- ⇒ Explain Hex/Byte data types. or Explain H, XSTRING data types.
- ⇒ What is data type conversion?
- ⇒ What is Implicit Type Conversions?
- ⇒ Explain predefined data objects.
- ⇒ Explain System Fields in Structure SY.
- ⇒ Explain sy-subrc, sy-uname, sy-repid, sy-tcode, sy-index, sy-date, sy-host, sy-langu, sy-dbsys, sy-client.
- ⇒ What are operators?
- ⇒ Give different operators in ABAP?
- ⇒ Explain Arithmetic Operators.
- ⇒ Explain Relational Operators.
- ⇒ Explain Logical Operators.
- ⇒ Explain Assignment Operators.
- ⇒ Explain Concatenation Operators.
- ⇒ Explain Bitwise Operators.
- ⇒ What is NEW operator?
- ⇒ Differentiate IS BOUND and IS NOT BOUND.
- ⇒ Explain IS INITIAL and IS NOT INITIAL.
- ⇒ Explain expression BETWEEN .. AND.

- ⇒ Explain contains(...).
- ⇒ Explain line_exists(...).
- ⇒ Explain regular or regex expression in ABAP.
- ⇒ What is pattern matching operators?
- ⇒ Explain CP, NP, CA, NA, CS, NS, CO, CN.
- ⇒ What is the difference between Text Strings (Variable Length) and Text Fields (Fixed Length)?
- ⇒ What are String templates?
- ⇒ Explain string functions To_upper, To_lower, Substring, Numofchar, Find
- ⇒ Replace, Condense, Shift_left, Shift_right, Contains, Reverse, Repeat, Ends_with
- ⇒ Starts_with.
- ⇒ Explain LIKE keyword.
- ⇒ What are Control characters?
- ⇒ What are Control Structures in ABAP?
- ⇒ Explain Selection Control Statement (IF and CASE).
- ⇒ Explain Loop or iteration Control Statement (WHILE, DO, LOOP).
- ⇒ Explain Jump Control Statement (RETURN).
- ⇒ Explain different IF statements.
- ⇒ Explain EXIT statement.

- ⇒ How to call methods?
- ⇒ Explain static methods.
- ⇒ What is functional methods?

- ⇒ What is exception?
- ⇒ Explain different types of exception.
- ⇒ Explain RAISE EXCEPTION TYPE.
- ⇒ Explain try, and catch.
- ⇒ Explain CX_ROOT.
- ⇒ Explain CX_STATIC_CHECK.
- ⇒ Explain CX_DYNAMIC_CHECK.
- ⇒ Explain CX_NO_CHECK.
- ⇒ How to raise a class-based exception?
- ⇒ Explain get_source_position.
- ⇒ Explain get_text / get_longtext.

- ⇒ How to create Tables?
- ⇒ Explain Data Preview for Database Tables.
- ⇒ What is ABAP SQL?
- ⇒ Explain the usage contexts for SELECT SINGLE, SELECT UP TO 1 ROWS, and SELECT *.
- ⇒ What is the performance difference between SELECT SINGLE and SELECT UP TO 1 ROWS?
- ⇒ How do you optimize an ABAP program's performance?
- ⇒ What is views?
- ⇒ Explain different types of view.
- ⇒ What is Database view?
- ⇒ What is Projection view?
- ⇒ What is Maintenance view?
- ⇒ What is Help View?

- ⇒ Explain data types of ABAP SQL.
- ⇒ Explain insert, update, delete and select commands.
- ⇒ Explain aggregate functions.
- ⇒ Explain join.
- ⇒ Explain types of join.
- ⇒ Explain INNER JOIN or JOIN.
- ⇒ Explain LEFT OUTER JOIN.
- ⇒ Explain RIGHT OUTER JOIN.
- ⇒ Explain CROSS JOIN.
- ⇒ Explain order by.
- ⇒ Explain Data modelling in ABAP Dictionary.
- ⇒ Explain access control or DCL.
- ⇒ Give basic syntax of DCL.
- ⇒ Explain (@MappingRole.

- ⇒ What is a Lock Object? How is locking handled in ABAP?
- ⇒ Explain types of lock object.
- ⇒ Explain shared and exclusive lock.
- ⇒ Explain Enqueue and dequeue lock objects.
- ⇒ What are the key features of ABAP on HANA?
- ⇒ Explain the difference between an UPDATE statement and a MODIFY statement for database tables in ABAP.
- ⇒ Explain clean code.
- ⇒ What is the Importance of Clean Core?
- ⇒ What are the characteristics of RAP?
- ⇒ Explain service definition.
- ⇒ Explain service binding.
- ⇒ Explain BO Projections and BO Interfaces.
- ⇒ Explain Entity Manipulation Language (EML).