

The ones asked in every fresher interview

INTERNAL TABLES

What are the 3 types?

Standard (index, duplicates OK) **Sorted** (auto-sorted, binary search). **Hashed** (key only, no duplicates, fastest lookup)

✓ Always say WHEN to use each type

SELECT STATEMENTS

SINGLE vs UP TO 1 ROWS

SINGLE = needs full key **UP TO 1 ROWS** = works without full key. safer when key incomplete

FOR ALL ENTRIES

The most dangerous trap

Empty driving table = selects ALL records.
Always check: IF lt_table IS NOT INITIAL before use

Asked in 90% of freshers interviews. Mention this risk unprompted.

SY-SUBRC

Always check after every call

0 = success. Check after every SELECT. CALL FM. READ TABLE OPEN DATASET. Never skip it.

FUNCTION MODULE VS METHOD

Know the difference

FM = reusable, transportable, RFC-capable.
Method = 00, modern standard in S/4HANA
✓ Say "I prefer methods in modern ABAP"

BAPI

Standard remote-enabled FM

Always has RETURN table Never commits internally Use COMMIT WORK separately

BDC

Session vs Call Transaction

Session = async, large volumes, better errors.
Call Transaction = sync, small volumes, immediate

USER EXIT VS BADI

Enhancement technique

User Exit = legacy, one implementation **BADI** = modern, multiple implementations, S/4HANA standard

How to Get Hired in 2026

What freshers who get jobs do differently

WHAT THE MARKET WANTS

S/4HANA migrations demand

Companies moving from ECC to S/4HANA need developers who understand both **classic** and **modern ABAP**. Opportunity is real in 2026.

5 THINGS TOP FRESHERS DO

Stand out immediately

1. Always check SY-SUBRC - shows discipline
2. Talk about performance - shows awareness
3. Mention ATC - most freshers never heard of it
4. Know what RAP is - shows direction
5. Ask smart questions - shows curiosity

WHERE TO FIND JOBS

Right companies to target

- SAP system integrators (Accenture, Capgemini, Deloitte SAP practices)
- Direct SAP customers with large estates
- SAP consultancies looking for junior ABAP
- LinkedIn SAP partner portal

30-DAY PREP PLAN

Week by week

Week 1: Master internal tables + SELECT statements

Week 2: Function Modules + Modularisation

Week 3: Reports + ALV + BDC basics

Week 4: Mock interviews + cheat sheet revision

WHAT TO SAY ABOUT ABAP'S FUTURE

Answer the "is ABAP dying?" question

ABAP is evolving - not disappearing. Direction is **ABAP Cloud - RAP CDS BTP AI tools**.

Show ambition: "I am learning RAP alongside classic ABAP."

✓ This answer alone makes interviewers remember you

ATC - THE SECRET WEAPON

Mention this and stand out

ATC (ABAP Test Cockpit) = SAP's automated code quality checker. Freshers who know this term **immediately stand out**. Mention in any performance or quality question.

90% of freshers have never heard of ATC.
Mentioning it puts you in the top 10%.

TRANSPORT SYSTEM

Know before your first day

DEV → QAS → PRD. Every change assigned to a transport request. Transport errors in production = real business impact. Show you understand the stakes.

Basics Everyone Gets Wrong

Avoid these - they cost jobs and cause dumps

MISTAKE 1

SELECT * instead of field list

Fetching all fields kills performance. Always select **only the fields you need**. In interviews - never write SELECT * without noting it is bad practice.

MISTAKE 2

Skipping SY-SUBRC check

Not checking return code after SELECT or CALL FM = silent errors that crash programs later.
Check it every single time. No exceptions.

Instant red flag in code review. Build this habit from day one.

MISTAKE 3

FOR ALL ENTRIES with empty table

Selects entire database table accidentally.
Always protect: IF lt_table IS NOT INITIAL.
One line prevents a production disaster.

MISTAKE 4

SELECT inside a LOOP

N+1 problem 10,000 loop iterations = 10,000 DB calls. Use **JOIN** or **FOR ALL ENTRIES** instead. One of the most expensive mistakes in ABAP.

MISTAKE 5

MOVE-CORRESPONDING in a loop

Performance overhead at scale. Use direct field assignment or CORRESPONDING FIELDS OF in MOVE statements when performance matters.

MISTAKE 6

Writing FORM subroutines

FORM/ENDFORM is legacy. Use **methods from day one**. Shows you know where ABAP is heading. Interviewers notice this immediately.
✓ **CLASS/METHOD** in every practice exercise

MISTAKE 7

Hardcoding values

CONSTANTS or config tables - never hardcode document types, company codes, or status values. Hardcoded values create maintenance nightmares.

MISTAKE 8

Not understanding transports

Every change in DEV must go in a transport. Releasing the wrong transport to production = real business impact. Understand this before your first project.

A THE 4 MISTAKES THAT COST FRESHERS JOBS IN INTERVIEWS**No SY-SUBRC check**

Interviewer sees this in code - instant concern about production quality

SELECT * usage

Shows no performance awareness a basic that every SAP developer must know

Empty FAE table

Not knowing this trap signals you have never worked on real SAP data volumes

Using FORM routines

Writing subroutines instead of methods signals you are behind on modern ABAP direction

✓ 5 THINGS TO DO BEFORE YOUR ABAP INTERVIEW**1**

Revise this cheat sheet

Read every section once.
Pin the red flags.

2Practise **FOR ALL ENTRIES** trap

Write the protection line from memory

3

Read about ATC

Mention it in any quality or performance question

4

Know what RAP is

One sentence-shows you know ABAP's direction

5

npm install

AI consultant that teaches ABAP by doing

**Laeeq Siddique**

Free resource by Cremencing Solutions cremencing.com
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**Top 20 fresher Q&As - one-line answers****The questions asked in every SAP fresher interview****Q1 What is ABAP?**

SAP's proprietary language for ECC and S/4HANA backend development.

Q2 Internal table types?

Standard (index, duplicates) Sorted (auto-sorted) - Hashed (key-only, fastest).

Q3 What is SY-SUBRC?

System return code. 0 = success. Check after every SELECT, CALL FM, READ TABLE.

Q4 SELECT SINGLE vs UP TO 1 ROWS?

SINGLE needs full key. UP TO 1 ROWS works without full key-safer when key is incomplete.

Q5 FOR ALL ENTRIES danger?

Empty driving table selects ALL records. Always check IS NOT INITIAL first.

Q6 Transparent vs pooled table?

Transparent-1:1 with DB. Pooled-many ABAP tables stored in one DB table.

Q7 What is a Function Module?

Reusable, transportable code block with IMPORTING/EXPORTING/EXCEPTIONS. Can be remote (RFC).

Q8 What is BAPI?

Standard remote FM for business objects. Always has RETURN table. Never commits internally.

Q9 MOVE vs MOVE-CORRESPONDING?

MOVE copies all. MOVE-CORRESPONDING copies matching field names only-slower in loops.

Q10 What is BDC?

Mass data entry via screen simulation. Session method (async) or Call Transaction (sync).

Q11 User Exit vs BADI?

User Exit - legacy, one implementation. BAdI-modern 00, multiple implementations, S/4HANA standard.

Q12 What is ALV?

ABAP List Viewer-standard reporting framework. Sorting, filtering, Excel export built in.

Q13 What is ATC?

ABAP Test Cockpit-automated code quality checker for performance, security, clean-core compliance.

Q14 What is a transport request?

SAP change management-packages objects for DEV to QAS to PRD movement.

Q15 What is modularisation?

Breaking code into reusable parts: Subroutines (legacy) Function Modules Methods (modern).

Q16 What is RAP?

RESTful Application Programming model-modern standard for Fiori and OData apps in S/4HANA.

Q17 CDS View vs classic view?

CDS-defined in ABAP layer, pushed to DB, used in RAP and Fiori. Classic - DB-only view.

Q18 What is clean core?

S/4HANA principle: extend SAP only via released APIs and BAdIs. No standard code modification.

Q19 What is an enhancement?

Adding custom logic to SAP standard via User Exits, BAdIs, Enhancement Spots-without modification.

Q20 Where is ABAP going in 2026?

ABAP Cloud, RAP, CDS, BTP, AI tools. Evolving-not disappearing. Learn both classic and modern.

3 golden rules - say these and stand out**Always check SY-SUBRC****01** After every SELECT and CALL FM. Say: "I always check the return code." Signals discipline instantly.**Mention FOR ALL ENTRIES risk****02** Say: "I always check IS NOT INITIAL before FOR ALL ENTRIES." 90% of freshers never mention this.**Prefer methods over FORM routines****03** Say: "In modern ABAP I use methods - the 00 standard for S/4HANA." Shows you know the direction.**5 most common mistakes freshers make****1 SELECT instead of field list**

Always select only needed fields. SELECT * kills performance-instant red flag.

2 Not checking SY-SUBRC

Silent errors crash programs later. Check it every single time, no exceptions.

3 FOR ALL ENTRIES with empty table

Selects entire DB accidentally. One line prevents it: IF lt_table IS NOT INITIAL.

4 SELECT inside a LOOP

10,000 iterations-10,000 DB calls. Use JOIN or FOR ALL ENTRIES instead.

5 Writing FORM subroutines

FORM/ENDFORM is legacy. Write methods from day one. Interviewers notice immediately.

3 things to say when you don't know the answer**1** "I haven't worked on that yet-but here is how I would approach it based on what I know.."**2** "That sounds related to [concept I do know]. Let me explain that and connect it.."**3** "I would check the SAP documentation and test it in a sandbox before using it in production."**Quick tip - how to handle the HR round**

Research the company's SAP version before the interview-mention it by name.

Salary question: "I am open based on the role scope and growth opportunity."

Strengths: always link to SAP. "I am detail-oriented-I always check SY-SUBRC."

End question: "What does the first project look like for a fresher on your ABAP team?"

**Laeeq Siddique**Free resource by Cremencing Solutions cremencing.com
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