1. **What is Tricentis Tosca**

* automation Testing tool
* used for testing web, software, desktop application, SAP GUI, API Testing
* it works on codeless, scriptless modules
* scalable and time efficient
* provides reusability

1. **Difference between Tosca and Selenium**
2. **What is model based Testing**
3. **What is Workspace**
4. **Difference between Single and multiuser workspace**
5. **Steps to create workspace**
6. **Where is workspace information Stored**
7. **How do you connect Tosca workspace with common repo**
8. **Role of Tosca Commander in ws**
9. **What happens if 2 users modify same testcase in multiuser ws**
10. **How to resolve conflict in ws**
11. **Use of “update all” and “Refresh”**

**🔹 Advanced Questions (Scenarios)**

1. **Your ws is not syncing with common repo. How do you troubleshoot**
2. **During check-in, you get error “Object already exists”. What will you do**
3. **How do you handle “workspace corruption” issues**
4. **Suppose junior team accidently deleted module in multiuser ws and checked it in. how will you recover it?**
5. **Can you merge changes from multiple ws? How?**
6. **How will you optimize ws performance if it’s becoming slow (large repo, many users)**

**🔹 Real Project / Team Scenarios**

1. **While working in large project team, what challenges do you face in multiuser ws? How do you solve them**
2. **Your testcase is working in your ws but failing in another team member’s ws. What steps will you take**
3. **How do you manage versioning of test assets in tosca Ws**
4. **If a new team member joins, how do you set up his/her ws**
5. **How do you integrate ws with CI/CD tools like Jenkins**

**🔹 Deeper Workspace Questions**

1. **What is difference between single user and multi user ws? When do you use each**
2. **How does tosca internally manage ws data (local cache, SQLite/SQL server DB)?**
3. **What challenges can occur when two testers work on the same Testcase? How do you resolve conflicts?**
4. **How do you perform a ws cleanup and why is it important**
5. **What is shelving in tosca? Have you used it?**
6. **How do you manage branching or parallel development of Testcases in multi-user setup?**
7. **What’s the difference between Check-in/Check-out/Update all/Get Latest in Tosca?**
8. **If your ws gets corrupted or out of sync, what steps will you take?**
9. **How do you integrate a multi-user ws with Jenkins CI/CD?**
10. **How do you decide ws strategy for a large team (100+ automation testers)**

**🔹 Scenario-Based (Tough Ones)**

1. **You checked in testcase, but your teammates says they don’t see the latest version what could be the issue?**
2. **You are working in multi-user ws and your testcase is locked by another user who left the project. How will you handle it**
3. **Execution logs are missing in Jenkins, but testcases exist in multi-user ws. How do you debug this?**
4. **Your ws sync takes too long (slow check-in/check-out) what optimizations can be done?**
5. **How do you handle data conflicts when multiple people update the same module attributes**

**Testcase 🡪**

1. **Why we should use tosca over selenium**
2. **What we can integrate with tosca**
3. **What is testcases**
4. **How can we create testcases from modules**
5. **What are libraries**
6. **What are Reusable teststep block**
7. **What is Teststeps block? Why do we use it?**
8. **How many datatypes are there?**
9. **Difference between testcase, teststep, Teststepvalue**
10. **What is role of Business Parameteres in Tc**
11. **How to create reusable teststepblock**
12. **How do you pass data into Testcases? (Manual input, buffers, Excel, DB)**
13. **Difference between explicit name and dynamic name in tc**
14. **What is TCP and how to use them**
15. **Role of Execution list in tc**
16. **What are Execution Lists and how are they linked to Testcases?**
17. **How do you reuse Teststeps across multiple testcases**
18. **Difference between manual tc and automated tc**
19. **How do you use Business components in tc**

**🔹 Intermediate TestCase Questions**

1. **How do you design testcases for reusability?**
2. **How do you handle dynamic values in tc?**
3. **What is the difference between hard-coded values and buffer values**
4. **How do you decide granularity of tc – big end-to-end vs smaller modular ones?**
5. **How do you link requirements with tc in tosca?**
6. **How do you handle test data variations in tosca (tc-template + testsheet)**
7. **What are recovery scenarios and cleanup scenarios in tc**

**🔹 Advanced & Scenario-Based TestCase Questions**

1. **Your testcase fails at step 15 intermittently, while all others pass. How will you debug and stabilize it?**
2. **You have 200 testcases, but only 10 are failing after a new release. How will you prioritize execution?**
3. **How do you design testcases in agile projects where requirements change frequently?**
4. **You are asked to automate a SAP GUI + Web workflow. How will you structure your testcases?**
5. **A popup appears randomly during tc execution. How will you design teststeps to handle it?**
6. **How do you maintain version control of tc in multi-user ws?**
7. **Your tc passes locally but fails in Jenkins execution. What steps will you take?**
8. **How do you design TestCases for cross-browser testing?**
9. **How do you implement data-driven testing in Tosca using TestCase-Templates?**
10. **You need to automate an end-to-end banking workflow with dependencies across multiple systems. How will you break down the TestCases?**
11. **How do you handle conditional execution in TestCases (e.g., If-Else logic)?**
12. **How do you manage TestCase libraries in Tosca for large projects?**
13. **How do you ensure TestCases remain maintainable and scalable as the application grows?**
14. **How do you design TestCases to integrate with CI/CD pipelines (Jenkins)?**

**🔥 Tough & Deeper TestCase Questions in Tosca**

**⚡ Design & Strategy**

1. **How do you decide the right level of abstraction for a TestCase (e.g., business flow vs low-level steps)?**
2. **Suppose you have 500+ TestCases for regression. How do you organize them so maintenance is minimal?**
3. **In Agile, requirements change every sprint. How do you ensure TestCases remain relevant without constant rework?**
4. **How do you decide when to create a TestCase-Template vs a TestCase-Library component?**

**⚡ Debugging & Stability**

1. **One TestCase fails only when executed in a chain with others, but passes when run standalone. What could be the causes, and how would you fix it?**
2. **You have a TestCase where SAP GUI screens take different load times on different environments. How do you make the TestCase environment-independent?**
3. **How do you handle a TestCase where an ID is generated dynamically in the middle of execution and needs to be reused across different TestCases?**

**⚡ Maintenance & Reusability**

1. How do you avoid **duplicate TestCases** when multiple testers are automating the same business flow?
2. If 40 TestCases use the same **login steps**, and the login screen changes, how will you **minimize rework**?
3. How do you implement **parameterization at scale** — for example, running 1 TestCase with **100 sets of data** across multiple environments?

⚡ Cross-System & Complex Flows

1. You have a TestCase that starts in **Web**, continues in **SAP GUI**, and ends with **API validation**. How will you design and structure this?
2. In banking projects, workflows often involve **waiting for batch jobs or external system updates**. How do you design TestCases to handle such dependencies?
3. How would you design TestCases for **negative testing** (e.g., invalid inputs, error handling) while ensuring reusability?

**⚡ Advanced Scenarios**

1. How do you implement **conditional execution** inside a TestCase when Tosca doesn’t directly provide IF-ELSE structures?
2. How do you handle **parallel execution** of TestCases in Tosca (for CI/CD) while ensuring no data collision?
3. You are asked to reduce **execution time by 50%** for your regression suite. What strategies would you apply?
4. A TestCase is stable on Chrome but failing on Edge. How do you investigate and fix this **cross-browser inconsistency**?
5. How do you ensure TestCases are **audit-ready** (traceable to requirements, defects, and results)?

**⚡ Real-World Problem Solving**

1. You need to integrate Tosca with **qTest/Jira** for traceability. How do you align TestCases with requirements & defects?
2. A stakeholder asks for a **business-readable view of TestCases** (not technical). How do you structure or report them?
3. How do you convince your team/client about the **granularity choice** of TestCases (too many small vs one big flow)?
4. If a TestCase is designed to validate **real-time stock prices**, how do you ensure stability despite constantly changing values?
5. How do you manage **TestCase versioning** when different teams work in parallel sprints on the same modules?