

1. Which software development technique is good for the systems that have third party API calls, cron jobs, data exports/imports, etc.

- For systems that have third-party API calls, cron jobs, or data exports/imports, TDD might be the better solution
- Test Driven Development is the process in which test cases are written before the code that validates those cases

2. Where does Test Automation fit in the Software Life Cycle? Explain with a diagram.

- The automation testing life cycle is implemented concurrently with the software development life cycle.



3. Can we skip the manual testing and why?

- No, because there is a time and place for both methods of testing. Manual testing helps us understand the entire problem and explore other angles of tests with flexibility

4. Give the names of the selector(locators) ?

Selenium supports 8 different types of locators namely

- id
- name
- className
- tagName
- linkText
- partialLinkText
- CSS selector
- xpath

5. What is the modular framework?

- Modular framework is like creation of small, independent scripts that represents modules, sections and functions of the application under test.
- Testers use Modular testing framework to divide an application into multiple modules and create test scripts individually

6. Explain the Open source tool.

- Open-source tools are software tools that are freely available without a commercial license.
- Many different kinds of open-source tools allow developers and others to do certain things in programming, maintaining technologies or other types of technology tasks.

7. What is a Hybrid framework?

- Hybrid Driven Framework is a combination of both the Data-Driven and Keyword-Driven framework. Here, the keywords, as well as the test data, are externalized

8. Write a name of record and replay tool.

- Record and Replay, otherwise known as codeless automation, is a way to run tests without programming knowledge.
- This is done using a tool, like CrossBrowserTesting, that allows you to manually perform actions in the browser and save them as a test.

9. What is the difference between BDD and Cucumber?

- Behavior-Driven Development (BDD) is the software development process that Cucumber was built to support. There's much more to BDD than just using Cucumber.

10. Can we replace the Manual Regression testing effort from Test automation and how?

- In the conflict between manual testing and automation testing, the conclusion we can come up with is we need both manual and automation testing as they perform different functionalities being part of the foundations of software testing.
- Manual testing is required for complex testing purposes and automation testing can help you with repetitive testing.
- It is entirely dependent on the project and what kind of testing is required for it.

11. How many 'A's test script has? Explain them.

There are three types of A -

a. **ARRANGEMENT**

- We identify objects (buttons, dropdowns etc.) either by their ids, names or by their Window Titles etc

b. **ACTION**

- When the objects are identified, we perform some kind of actions on it either by mouse or by keyboard. For example, either we click, or we double-click, or we mouse hover over it.
- So any kind of action we perform on these objects are covered in this second step.

c. **ASSERTION**

- The assertion is basically checking the object with some expected result