

45. What do you use for logging?

- I use Log4J for logging. I always log important steps in the test execution. That helps me to debug when there is a failure.
- Log4J is not a replacement for HTML reports.

```
<dependency>
  <groupId>org.apache.logging.log4j</groupId>
  <artifactId>log4j- core</artifactId>
  <version>2.11.0</version>
</dependency>
```

46. How does the FEATURE FILE WORK?

- **Feature** → description of what is being tested @tags. Sample feature file;
 - Feature: login functionality → Background:
 - Given I am on the login page → Scenario: 1, Scenario: 2
 - The background runs before both of the scenarios
- **Scenario** → description of the scenario being test
 - Given I am on the login page
 - And I enter username and password
 - When I click on the submit button
 - Then I should be able to see the profile picture
 - But the submit button should not be displayed
- **Given** → a precondition
- **When** → condition that triggers the expected result Then → expected condition

47. What is test base Class ? and How do you implement in your framework ?

- Test Base class is class where I have most used methods in my tests.
- My **test classes extend** the **Test Base** class and thus have access to those methods. This helps me us **make my code reusable**
- Before/after test methods wait/synchronization utility methods.
 - **SwitchToWindow(title)**
 - **WebDriver driver;**

48. How to rerun the failed tests again in TestNG?

- In my TestNG framework, **failed tests** are reported in the **testng_failed_.xml** file in the target folder.
- We can add this file in the **pom file** so that **maven** will try to run the failed tests every time.
- If will **only run** when there are **failures** in the test.

49. How to rerun the failed tests again in Cucumber?

- we use the re-run option in the CukesRunner.
- Add the rerun to cukes runner.
- This option will create a file with a list of failed tests
- Create a second runner class which points to file with a list of failed tests
- Add the second runner in the pom file

50. How to rerun the failed tests again in Jenkins?

- In Jenkins there are plugin that re run the failed tests Unit cases.
- So you can configure your Maven build execution on Jenkins using the option:
- **Dsurefire.rerunFailingTestsCount=2**