**Pom, data driven, hybrid framework, map java with selenium**

1. Complete Core java
2. Selenium Webdriver- Major focus (20 hours+ content)
3. Selenium Grid
4. Live projects on Selenium
5. Interview questions discussion with solutions
6. TestNG
7. Maven
8. ANT
9. Jenkins
10. Log4j
11. Real time challenges in developing framework and how to address them
12. Extent Test Execution reports
13. Cucumber
14. Data driven framework
15. Hybrid Framework
16. Page object Model Framework
17. DataBase testing with Selenium
18. Performance testing with Selenium
19. Mobile Automation basics only!
20. CLoud Automation with Sauce labs
21. AutoIT- Desktop Automation integration with Selenium
22. Bonus lecture- Bugzilla defect tool management.

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**Selenium:**

**Open source automation tool**

**Used for web based application**

**QTP is paid and old one for automation testing**

**Anything based out of browser can be automated**

**It supports multiple browsers**

**Selenium supports different browsers, OS, Multi-language support**

**Selenium is a suite of tools: IDE(Record and playback) and Webdriver(Robust regression testing)**

**Selenium RC is deprecated -> successor is web-driver**

**Web-driver architecture**

**In order to make our browser understand our code/testcases, we need drivers respectively**

**Driver interprets (json) and performs actions on the actual browser**

**Response is sent back to ide to see output**

**We need to mention driver path in client-code for sending json script(Driver acts as server)**

**We have different libraries available for reports, logging and assertions in maven**

**TestNG: Java unit testing framework – Good with assertions and annotations**

**We don’t need java class for writing code once we use testing class**

**ChromeDriver class methods that we can call and use to automate . For this first we need to create an object of that particular class**

**Webdriver is an interface. They have just defined method names but implementations are done by classes.**

**Arraylist is class in java which helps us to overcome the drawbacks of arrays**

**If we make our methods static then that thing will belong to class but not object. We don’t need objects for using our own class methods.**