

NAME: KSHATRIYA RONAK OMPRAKASH

**COURSE: SOFTWARE TESTING (MANUAL AND
AUTOMATION)**

ASSIGNMENT: Module – 5 (Selenium IDE)

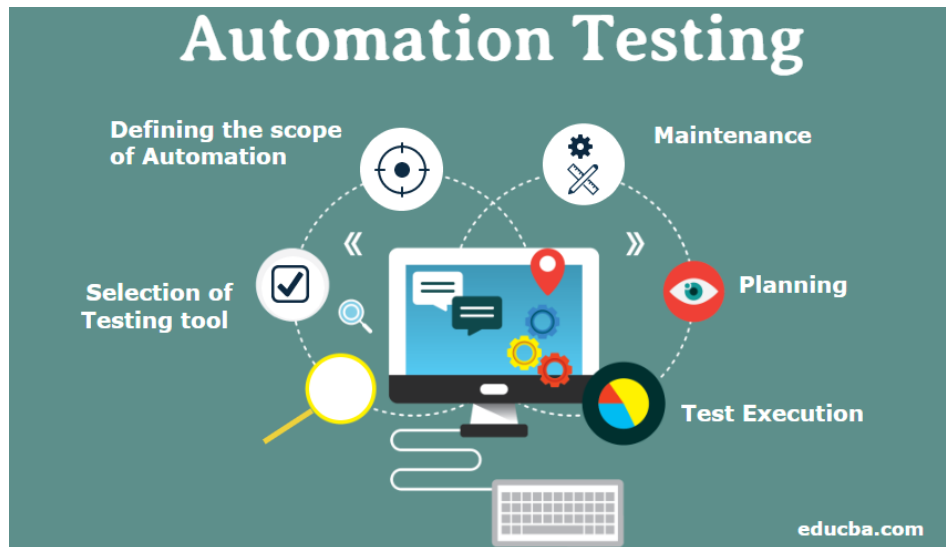
1. What is Automation Testing?

Automation testing is a software testing technique that uses tools and scripts to automatically validate software functionality and ensure it meets requirements. It's also known as test automation or automated QA testing.

Automation testing allows organizations to run tests at a faster pace without the need for human testers. It's more efficient than manual testing, which takes longer.

Some tools used for automation testing include:

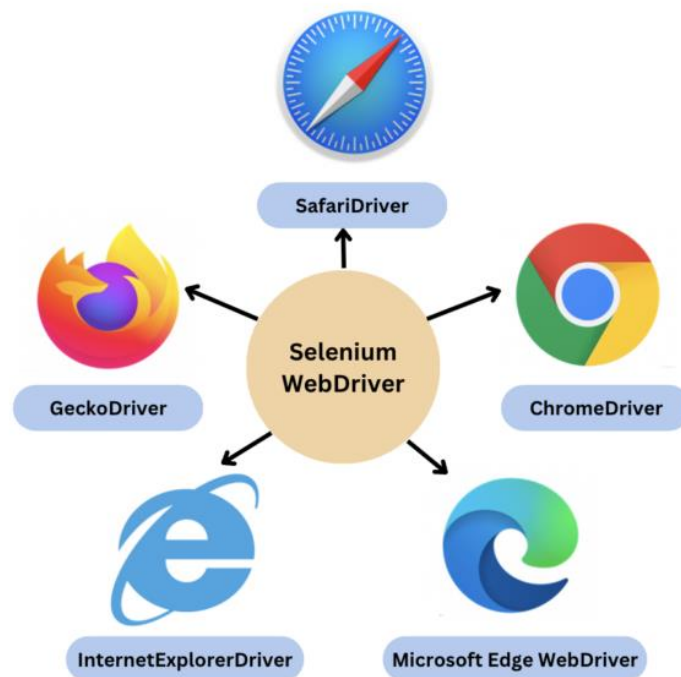
- **Selenium:** An open-source tool for testing web applications across various browsers
- **QTP (Quick Test Professional):** A functional testing tool for web and desktop applications
- **Sikuli:** A GUI-based automation tool that interacts with web page elements using screenshots
- **JUnit:** A popular unit testing framework for Java



2. Which Are The Browsers Supported By Selenium Ide?

Browsers Supported in Selenium WebDriver

- Google Chrome.
- Mozilla Firefox.
- Safari.
- Internet Explorer.
- Microsoft Edge.

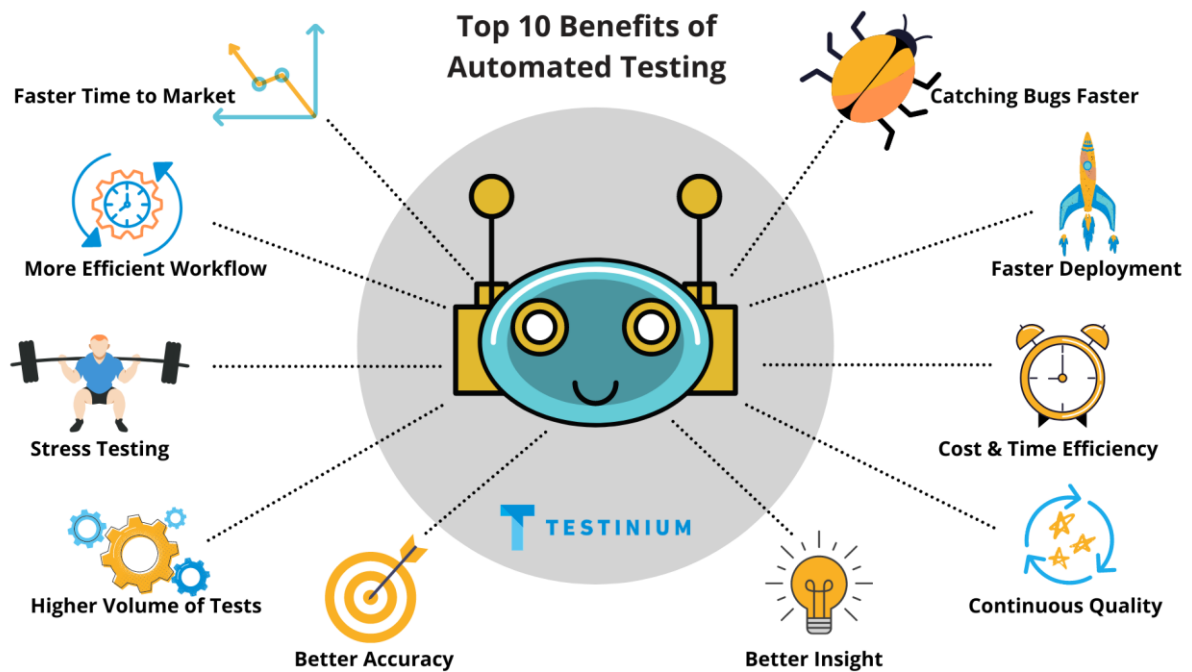


3. What are the benefits of Automation Testing?

Core Benefits of Automation Testing

- Saving Costs.
- Faster Feedback Loop.
- Better Allocation of Resources.
- Guarantees Higher Accuracy.
- Increased Test Coverage.
- Detects bugs earlier.

- Test at Scale.
- Maximizes ROI.



4. What are the advantages of Selenium?

Advantages of Selenium for Automated Testing

- Language and Framework Support. ...
- Open Source Availability. ...
- Multi-Browser Support. ...
- Support Across Various Operations. ...
- Ease of Implementation. ...
- Reusability and Integrations. ...
- Flexibility. ...

- Parallel test execution and faster market launch.



5. Why testers should opt for Selenium and not QTP?

Difference between Selenium & QTP

SELENIUM	QTP
Open source	Paid Tool
Works on almost all browsers(IE, Firefox, Chrome, Safari, Opera)	Works on Edge
Code can be made in any one of languages such as Java, C#, Ruby, Python, perl, php etc.	VB Script
Works on all OS (Windows, OS X, Linux, Solaris,Mac)	Works only on Windows
Object Identification Options : ID, name, Xpath, CSS, Link text ...etc	Object Identification Options : Object properties, Repository objects
Selenium dose not have built in object repository, but object can be managed by Inspect option in all browsers	QTP comes with built in object repository.
IDE sometimes does not record some events	Recording is a little reliable
Set of Libraries, around 20MB (Need to include other supporting software)	Around 1.5GB
Saucelabs.com, Element34 , Commercial Support	From HP
Tests only Web applications	Tests web and desktop applications