* **What is Automation Testing?**

Automation testing is a Software testing technique to test and compare the actual outcome with the expected outcome. This can be achieved by writing test scripts or using any automation testing tool. Test automation is used to automate repetitive tasks and other testing tasks which are difficult to perform manually.

* **Which Are The Browsers Supported By Selenium Ide?**

Selenium is a suite of tools which is used to a large extent by the testing community. It cannot test the desktop application and can only automate web based test cases.

Some of the popular browsers supported are −

* Firefox
* Chrome
* IE
* Safari
* Opera

Some of the popular operating systems supported are −

* Linux/Unix
* Mac
* Windows

Another fact, why Selenium is so popular is that, it can work on different programming languages like −

* Java
* Python
* JavaScript
* Ruby
* C#
* PHP

Some of the components of Selenium are −

* Selenium IDE
* Selenium RC
* Selenium Webdriver
* Selenium Grid
* **What are the benefits of Automation Testing?**
* Shift-left testing done better!
* **Easy regression testing**
* Ability to perform testing on multiple platforms in parallel
* Accelerate cross browser testing
* Better smoke testing
* Accessible data-driven testing.
* Reusability always makes you feel better!
* Reusability always makes you feel better!
* Maximize the test coverage
* Analyze hundreds of test cases quickly with powerful test reports!
* Schedule your test execution 24X7
* Of course, it saves you a lot of time!
* Reduced business costs & better utilization of manpower
* Improve the quality of manual tests
* Maximize ROI
* Distributed test execution
* Scalability
* Lack of complex & lengthy test scenarios
* **What are the advantages of Selenium?**

## Saves time

### Productivity improvement

### Accuracy improvement

### Test suite reusability

### Ability to test on various platforms

### Running tests 24/7

### Early bug detection

### Less human resources

### Reduce the expenses

### Scalability of test cases

### Consistency

### Fast development and delivery

### Easily execution of lengthy and complicated test cases

### Why testers should opt for Selenium and not QTP?

Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.