1. What is Automation Testing?

Automation testing is a method of using software tools to perform tests on a software application or system, instead of doing it manually. It helps to save time, reduce costs, and improve the accuracy of tests.

1. Which Are The Browsers Supported By Selenium Ide?

* Firefox
* Chrome

1. What are the benefits of Automation Testing?

* Faster Feedback
* Testing on Multiple Platforms in Parallel
* Reusability of Test Scripts
* Consistency
* Improved Test Coverage
* Easy Data-driven Testing
* 24X7 Test Execution
* Low Business Costs and Better Utilization of Human Resources
* Achieve Excellent Return on Investment (ROI)

1. What are the advantages of Selenium?

* Cross-platform compatibility: Selenium supports multiple programming languages such as Java, Python, C#, Ruby, and more, and can run on various operating systems such as Windows, Linux, and macOS
* Browser support: Selenium supports multiple web browsers such as Chrome, Firefox, Safari, Edge, and more, which makes it easy to automate tests across different browsers
* Flexibility: Selenium provides a wide range of functionalities that can be customized according to your testing requirements, including interacting with web elements, capturing screenshots, handling pop-ups, and more
* Scalability: Selenium can be used for testing large-scale web applications, and can run tests on multiple machines and browsers simultaneously using Selenium Grid
* Integration with other tools: Selenium can be easily integrated with other testing tools and frameworks, such as TestNG, JUnit, and Cucumber, to create robust and automated test suites.
* Open-source: Selenium is an open-source tool, which means it is free to use and has a large community of developers who contribute to its development, providing regular updates and bug fixes

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

* Cost: Selenium is an open-source tool and is free to use, while QTP is a commercial tool that requires a license and can be expensive
* Platform Support: Selenium supports multiple operating systems such as Windows, Linux, and macOS, while QTP is primarily designed for Windows only
* Programming Language: Selenium supports multiple programming languages such as Java, Python, C#, Ruby, and more, while QTP uses its own scripting language (VBScript)
* Browser Support: Selenium supports multiple web browsers such as Chrome, Firefox, Safari, Edge, and more, while QTP has limited browser support
* Community Support: Selenium has a large and active community of developers who contribute to its development, providing regular updates and bug fixes, while QTP has a smaller community and less frequent updates
* Integration with Other Tools: Selenium can be easily integrated with other testing tools and frameworks, such as TestNG, JUnit, and Cucumber, to create robust and automated test suites, while QTP has limited integration options