**Q-3-> What is Selenium? How it is useful in Automation Testing?**

**Answer**

**Selenium:**

* Selenium is an open-source software which is one the most widely used to automate the web applications through browsers. It is most powerful tool to automate the web applications.
* It will support multiple browsers, multiple programming languages, multiple frameworks and multiple OS. It having more features like cross browser testing, grid support, IDE support, reporting etc.
* It was originally developed by Jason Huggins in 2004 as an internal tool.

**Useful of Selenium in Automation Testing:**

* Cross-browser compatibility testing: Selenium can be used to test web applications across different web browsers and versions, which can help identify browser-specific issues.
* Performance testing: Selenium can be used to simulate a large number of concurrent users interacting with a web application, which can help identify performance bottlenecks.
* Web scraping: Selenium can be used to automate the process of extracting data from websites.
* Browser automation: Selenium can be used to automate the interaction with web browsers, such as opening and closing web pages, managing browser settings and cookies, and more.
* Accessibility testing: Selenium can be used to test web applications against accessibility standards, which can help identify issues that affect users with disabilities.
* Web automation: Selenium can be used to automate repetitive tasks such as filling out forms, clicking buttons, and navigating web pages.