

1)What is Selenium ?

- **Selenium** is a free (open-source) automated testing framework used to validate web applications across different browsers and platforms.
- We can use multiple programming languages like Java, C#, Python, etc. to create Selenium Test Scripts.
- Testing done by using the Selenium testing tool is usually referred to as **Selenium Testing**.

2)What is the Advantages of Selenium?

- 1) Selenium is an Open Source Software.
- 2) Selenium supports various programming languages to write programs (Test scripts)
- 3) Selenium supports various operating systems (MS Windows, Linux, Macintosh etc...)
- 4) Selenium supports various Browsers (Mozilla Firefox, Google Chrome, IE, Opera, Safari etc.
- 5) Selenium supports Parallel Test Execution.

3)What is the Limitation of Selenium?

- We can't test Video, Audio, OTP, Captcha, n/w failure errors
- 100% automation is not possible
- To use Selenium Automation Framework , we need Any Programming Languages like Java, Python ,C# etc.

4)Explain Flavours(Components) of Selenium?

Selenium is not just a single tool but a suite of software, each with a different approach to support automation testing. It comprises of four major components which include:

- Selenium Integrated Development Environment (IDE)
- Selenium Remote Control (Now Deprecated)
- WebDriver
- Selenium Grid

5)What is Selenium WebDriver?

- Selenium WebDriver is a collection of open source APIs which are used to automate the testing of a web application.
- Selenium WebDriver tool is used to automate web application testing to verify that it works as expected. It supports many browsers such as Firefox, Chrome, IE, and Safari.

6)what are all the WebDrivers available in Selenium?

- ChromeDriver
- FirefoxDriver
- EdgeDriver
- SafariDriver
- InternetExplorerDriver