**Introduction:**

**Selenium** is an open source automation testing tool.

It is used exclusively forweb based applications

You can work on multiple operating systems using selenium

Platforms Supported by Selenium

Windows

OS X

Linux

Solaris

following languages are used with selenium.

- Java  
- C#  
- Ruby  
- Pyton  
- PHP  
- Pearl

Selenium Browsers Support:

InternetExplorer

Firefox

Chrome

Safari

Interview Questions

What makes Selenium Unique from other Automation tools?

* It is open source Automation tool
* It supports multiple browsers-chrome,firefox,safari
* It can be code in different languages-c#,java,python
* It can be used in multiple platforms-windows,macos,linux

Explain WebDriver Architecture.

* After the tests are triggerd, the entire selenium code is converted into Json Format
* Generated Json is made available to browser drivers through HTTP protocol
* Browser drivers interact with its respective browsers and execute the commands by interpreting Json which they received from the browser
* As soon as the browser driver gets any instructions, they run them on the browser. Then the response is given back in the form of HTTP response.

Why not older Version Selenium RC 1.0?

What are different Versions of Selenium?

Selenium 1--- Selenium IDE, Selenium RC, Selenium Grid(2006)

Selenium 2----Selenium IDE, Selenium RC, Selenium webdriver2.x, Selenium Grid (2011)

Selenium 3----Selenium IDE, Selenium webDriver3.x, Selenium Grid(2016)---Latest version---Selenium RC is removed

What are different browsers does Webdriver Support?

Chrome, Internet Explorer, Safari, Firefox

In how many languages we can write Selenium code?

c#, Java, Python, Ruby, JavaScript