



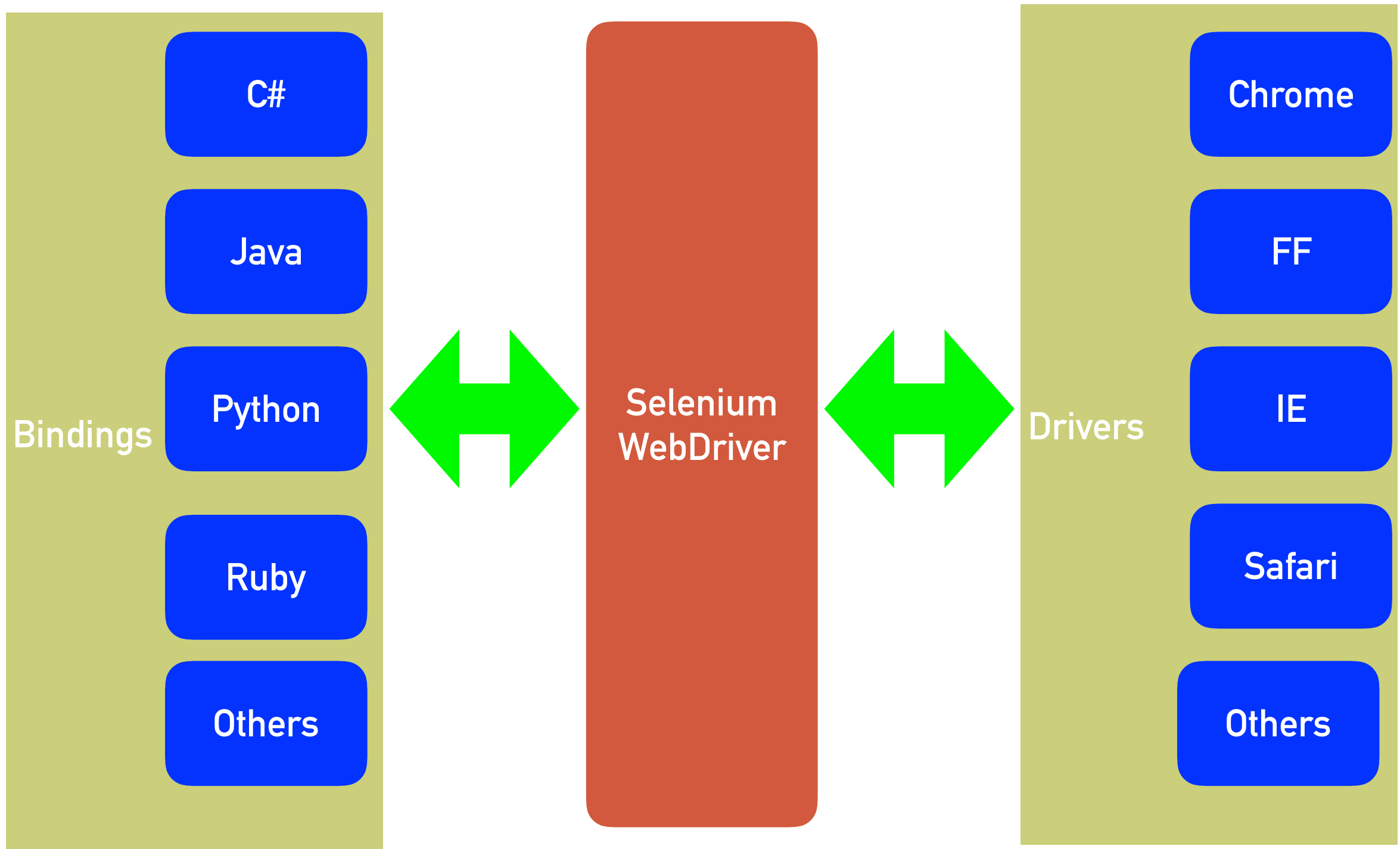
SELENIUM

Architecture of Selenium WebDriver

Selenium: Selenium With Java Basics

- **Architecture of Selenium WebDriver** : Selenium Webdriver is a well-designed object oriented API which helps in communication between languages and browsers.
- Selenium Supports Programming languages like Java, C#, Python, Perl, Ruby etc.
- Selenium Also Supports multiple Browsers like Chrome, FireFox, IE, Opera, Safari etc.
- Every browser has different logic of performing actions like loading a page, closing the browser etc.
- Selenium makes it possible for programmer to communicate with browsers through Webdriver.

Selenium: Selenium With Java Basics



Selenium: Selenium With Java Basics

- **Language binding:** To support multiple languages, selenium has developed language bindings.
- **Selenium WebDriver:** It is an API which makes possible to communication between programming languages and browsers. It follows object oriented concepts. It has multiple classes and interfaces.
- **Browser drivers:** A browser driver can be considered as a personal secretary of a boss. A browser drivers helps in communication with browser without revealing the internal logic of browser's functionality. The browser driver is the same regardless of the language used for automation.

Selenium: Selenium With Java Basics

- **Internal logical flow of Selenium Script:**
- A HTTP request is created and sent to browser driver for each selenium instruction or commands.
- A browser driver receives the HTTP request through HTTP server.
- HTTP server decides all steps to perform instructions which are executed on browser.
- Execution status is sent back to HTTP server which is sent back to automation script.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the word 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker is black with a silver band. The text 'Thank you!' is written in a fluid, cursive style, with the exclamation mark being the final stroke. The background is a plain, light-colored surface.

See you in next lecture ...