

Selenium WebDriver is an API

Selenium WebDriver API is a set of predefined library of commands / methods.

- Google "Selenium WebDriver API" and find the Predefined methods of 'FirefoxDriver' class

Lets start using the Predefined methods of Selenium WebDriver.

- **get()** - Used to open the specified URL's web page - Demonstrate [here](#)
 - **http://** needs to be provided, otherwise the specified URL wont get opened
 - **manage().window().maximize()** - Used to maximize the current web page - Demonstrate [here](#)
 - **findElement(), findElements(), By class and its predefined methods**
 - **findElement()** is a predefined method of WebDriver and it needs to be used with By Class and its predefined methods for locating and performing the operations on UI elements
 - View the 'By' Class and its predefined methods in Selenium API Pages - The purpose of the By class and its predefined methods is to locate the UI elements with the help of the locators
 - **id()** - **By.id("confirm")** - [Demonstrate here](#)
 - **name()** - **By.name("SiteMap")** - [Demonstrate here](#)
 - **className()** - **By.className("classone")** - [Demonstrate here](#)
 - **linkText()** - **By.linkText("compendiumdev")** - [Demonstrate here](#)
 - **cssSelector()** - **By.cssSelector("#confirm")** - [Demonstrate here](#)
 - **xpath()** - **By.xpath("//input[@id='confirm']")** - [Demonstrate here](#)
 - Store the UI element located by the findElement() to reference variable of **WebElement** class - [Demonstrate here](#)
 - **click()** - Used to perform click operation on different UI elements like Button, link, checkbox option and radio option etc - [Demonstrate here](#)
 - **sendKeys()** - Used to enter text into the text fields like text box, text area, password fields etc. - [Demonstrate here](#)
 - **clear()** - Used to clear the text available in the text box or text area fields - [Demonstrate here](#)
 - **getText()** - Used to retrieve the elements text (i.e. The text between the starting and ending tags of HTML elements) - [Demonstrate here](#)
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