

Methods in WebDriver

WebDriver uses methods for performing various operations on WebElements

1) `get`

This is used for navigating through a URL

```
driver.get("URL address");
```

2) `navigate()`

This is used to navigate to a URL

```
driver.navigate().to("URL address");
```

using `navigate` it is possible to click the backward and forward buttons of the Browser

```
driver.navigate().Back();
```

```
driver.navigate().Forward();
```

```
driver.navigate().Refresh();
```

3) `getTitle()`

This is used to capture the title of the currently opened page

```
driver.getTitle();
```

4) `getCurrentUrl()`

This is used to get/capture the url of the currently opened page

```
driver.getCurrentUrl();
```

5) `getPageSource()`

This is used to capture the html code of the page opened by the WebDriver

```
driver.getPageSource();
```

6) findElement()

This is used to identify an element on the Web Application. This identification can be done based on any of the previously discussed locators

```
driver.findElement(By.locator());
```

7) findElements()

This is used when we want to capture multiple elements from the Web Application. This can also use all the locators

```
driver.findElements(By.locator());
```

8) close()

This will close the browser on which the control of WebDriver is present

```
driver.close();
```

9) quit()

When multiple/tabs are opened by WebDriver and if we want to close all of them we can use this method.

```
driver.quit();
```

10) getWindowHandle()

Whenever WebDriver launches a browser it assigns a unique Id to the browser which is called WindowHandler

This id can be captured using the following method.

```
driver.getWindowHandle()
```

11) getWindowHandles()

When multiple browsers/tabs are opened by WebDriver and we want to capture all the ID's. we can use this method

```
driver.getWindowHandles()
```

12) SwitchTo()

This is used to switch from one window to another window (or) Window to frame (or) to switch to the default homePage

```
driver.switchTo().window()
```

```
driver.switchTo().Frame()
```

```
driver.switchTo().Alert()
```

```
driver.switchTo().defaultContent()
```

13) manage()

This is used to perform various activities like Maximize the size of window, setting implicit waits, capture the information of cookies etc
driver.manage()