

Maximize Browser Window:

Elements on the web application may not be recognized by the selenium if the browser is not maximized and thereby making script fail.

Hence, Maximize the browser is very important part of selenium framework. It is good practice to maximize the browser while automating any web application. When the user executes the selenium framework or any script, browser may not be in the full screen state and you need to maximize the browser using window maximize in Selenium to view all the elements of the web application. It is good to maximize the browser at the start of the script, so that the script gets executed successfully without any error.

```
driver.manage().window().maximize();
```

Minimize Browser Window:

You can customize the size of the browser according to the requirement of the scenario.

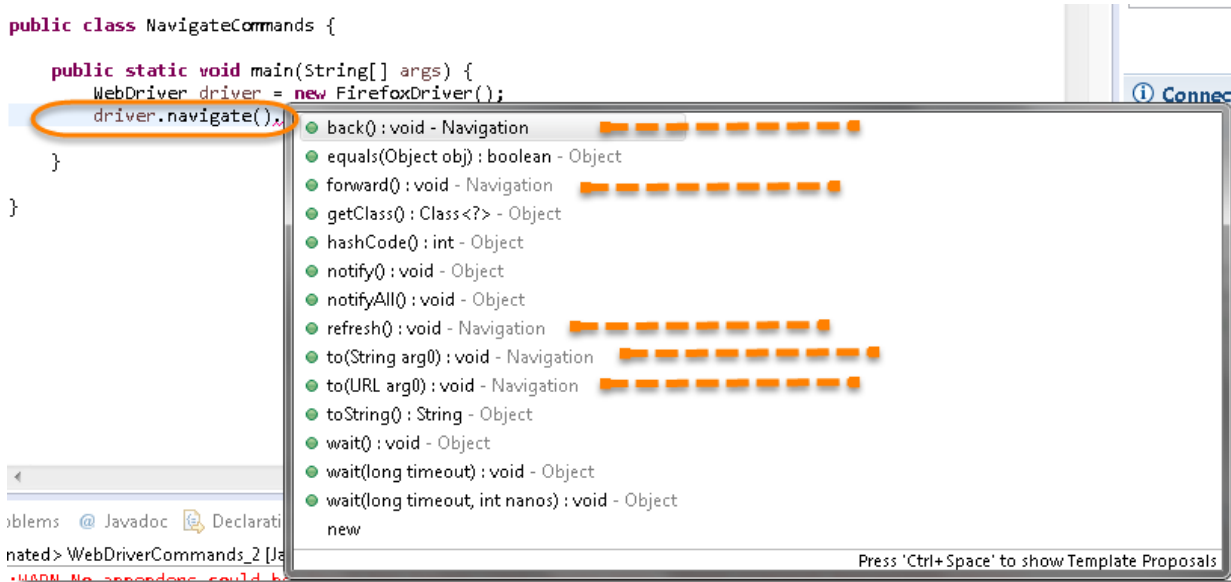
Selenium webdriver does not provide any method for minimizing the browser, there is no such direct method. You need to use resize method to minimize the browser.

- `void setSize()` - This method is used to set the size of the current browser.
- `Dimension getSize()` - This method is used to get the size of the browser in height and width. It returns the dimension of the browser.
- `Point setPosition()` - This method is used to set the position of the current browser.

```
driver.manage().window().setSize(new Dimension(int width, int height));
```

Browser Navigation Command

To access the navigation's method, just type ***driver.navigate()***. The IntelliSense feature of the eclipse will automatically display all the public methods of ***Navigate Interface*** shown in the below image.



Note: Only methods that are followed by ***Navigation*** keyword are belongs to navigate. Rest followed by ***Object*** keyword are the generic methods gets from Object Class in Java. You will find these methods for every object of java language.

Navigate To Command - How to Navigate to URL or How to open a webpage in Selenium Browser?

to(String arg0) : void - This method **Loads** a new web page in the current browser window. It accepts a String parameter and returns nothing.

Command - driver.navigate().to(appUrl);

It does exactly the same thing as the **driver.get(appUrl)** method. Where **appUrl** is the website address to load. It is best to use a fully qualified URL.

```
driver.navigate().to("https://www.DemoQA.com");
```

Forward Command - How to browser Forward in Selenium Browser?

forward() : void - This method does the same operation as clicking on the **Forward Button** of any browser. It neither accepts nor returns anything.

Command - driver.navigate().forward();

Takes you forward by one page on the browser's history.

```
driver.navigate().forward();
```

Back Command - How to browse backward in Selenium Browser?

back() : void - This method does the same operation as clicking on the **Back Button** of any browser. It neither accepts nor returns anything.

Command - driver.navigate().back();

Takes you back by one page on the browser's history.

```
driver.navigate().back();
```

Refresh Command - How to Refresh Selenium Browser?

refresh() : void - This method **Refresh** the current page. It neither accepts nor returns anything.

Command - driver.navigate().refresh();

Perform the same function as pressing F5 in the browser.

```
driver.navigate().refresh();
```

we will automate the following test scenarios:

- Invoke Firefox Browser
- Navigate to URL: <https://www.testandquiz.com/selenium/testing.html>
- Click on the "This is a link" link (This link will redirect you to the javaTpoint website)
- Come back to the Home page using the **back** command
- Again go back to the javaTpoint website using **forward** command
- Again come back to the Home page using **To** command
- Refresh the Browser using **Refresh** command
- Close the Browser