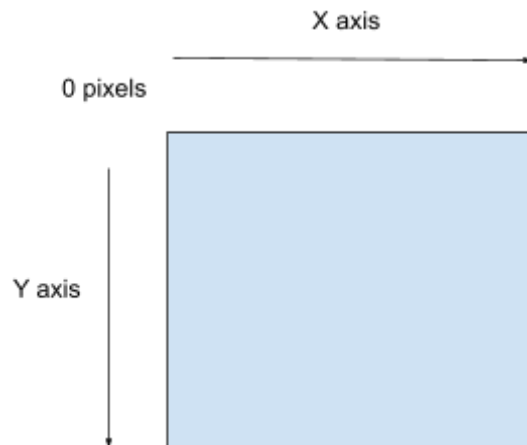


Pixels counts on the webpage



1. How to scroll the webpage

- A Scroll is a JavaScript method.
- The JavaScriptExecutor provides an **interface** that enables QAs to run JavaScript methods from Selenium scripts.
- Hence, to scroll up or down with Selenium, a JavaScriptExecutor is a must.

Syntax

Step1. // Cast Webdriver reference to javascript executor interface

```
JavaScriptExecutor jr = ((JavaScriptExecutor)driver);
```

Step2. // Call method execute script and pass the argument

```
jr.executeScript("window.scrollTo(0,850)"); // Used to scroll down
```

```
jr.executeScript("window.scrollTo(0,-850)"); // Used to scroll up
```

2. How to scroll up to the element

Step 1. // Find an element and store it into the webelement

```
WebElement watch = driver.findElement(By.xpath("//a[text()='Watch']"));
```

Step 2. // Cast Webdriver reference to javascript executor interface

```
JavascriptExecutor jr = ((JavascriptExecutor)driver);
```

Step3. // Call the method execute script and pass the argument

```
jr.executeScript("arguments[0].scrollIntoView();", watch);
```

E.x.

```
package testJava;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.JavascriptExecutor;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class aclass {
```

```
    static WebDriver driver;
```

```
    public static void main(String[] args) throws EncryptedDocumentException,  
    IOException, InterruptedException {
```

```
        System.setProperty("webdriver.chrome.driver",  
        "/Users/amitparate/Downloads/chromedriver");  
        driver = new ChromeDriver();  
        driver.get("https://www.facebook.com/");  
        WebElement watch = driver.findElement(By.xpath("//a[text()='Watch']"));
```

```
        JavascriptExecutor jr = ((JavascriptExecutor) driver);  
        jr.executeScript("arguments[0].scrollIntoView();", watch); //to scroll up to the  
element
```

```
        jr.executeScript("window.scrollTo(0,850)"); // scroll down
```

```
        jr.executeScript("window.scrollTo(0,-850)"); // scroll up
```

```
    }
```

```
}
```

3. How to change the position of the browser

Step 1. // Create the object of Point class and pass the pixel as parameter

```
Point p = new Point(100,300);
```

Step 2. // Call the method

```
driver.manage().window().setPosition(p);
```

4. How to change the dimension of the browser

Step 1. // Create the object of Dimension class and pass the pixel as parameter

```
Dimension d = new Dimension(100,200);
```

Step 2. // Call the method

```
driver.manage().window().setSize(d);
```