



Basic Selenium Commands

Command	Use
<code>driver.get("URL")</code>	Open a webpage
<code>driver.quit()</code>	Close the browser completely
<code>driver.close()</code>	Close the current tab
<code>driver.manage().window().maximize()</code>	Maximize the browser window



Locating Elements

Command	Use
<code>driver.findElement(By.id("id"))</code>	Find element by ID
<code>driver.findElement(By.name("name"))</code>	Find element by name
<code>driver.findElement(By.className("class"))</code>	Find element by class name
<code>driver.findElement(By.tagName("tag"))</code>	Find element by tag name
<code>driver.findElement(By.linkText("text"))</code>	Find a link by exact text
<code>driver.findElement(By.partialLinkText("text"))</code>	Find a link by partial text
<code>driver.findElement(By.cssSelector("css"))</code>	Find element by CSS selector
<code>driver.findElement(By.xpath("xpath"))</code>	Find element by XPath

Clicking & Typing

Command	Use
<code>element.click()</code>	Click on an element
<code>element.sendKeys("text")</code>	Type text into a text box
<code>element.clear()</code>	Clear text inside an input field
<code>element.submit()</code>	Submit a form

Handling Dropdowns

Command	Use
<code>Select select = new Select(element);</code>	Create a Select object
<code>select.selectByIndex(2);</code>	Select 3rd option (index starts from 0)
<code>select.selectByValue("value3");</code>	Select option by value
<code>select.selectByVisibleText("Option 3");</code>	Select option by visible text

Handling Checkboxes & Radio Buttons

Command	Use
<code>element.isSelected();</code>	Check if checkbox/radio is selected
<code>element.click();</code>	Select checkbox/radio button

Waits in Selenium

Command	Use
<code>driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);</code>	Implicit wait (wait for elements to load)
<code>WebDriverWait wait = new WebDriverWait(driver, 10);</code>	Explicit wait (wait for specific conditions)

Handling Alerts & Popups

Command	Use
<code>driver.switchTo().alert().accept();</code>	Click OK on alert
<code>driver.switchTo().alert().dismiss();</code>	Click Cancel on alert
<code>driver.switchTo().alert().getText();</code>	Get alert text

Handling Frames

Command	Use
<code>driver.switchTo().frame("frameName");</code>	Switch to a frame
<code>driver.switchTo().defaultContent();</code>	Switch back to main page

Handling Windows & Tabs

Command

Use

`String mainWindow = driver.getWindowHandle();`

Get **current window ID**

`Set<String> allWindows = driver.getWindowHandles();`

Get **all window IDs**

`driver.switchTo().window(windowID);`

Switch to **another window**

Taking Screenshots

Command

Use

`File srcFile = ((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);` Capture screenshot