

Selenium WebDriver Cheat Sheet Cheat Sheet

by Narayanan Palani (Narayanan Palani) via cheatography.com/32112/cs/9838/

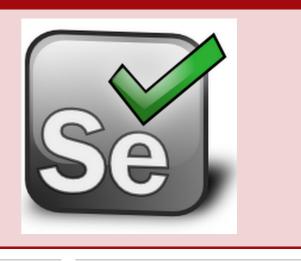
Driver Initialization	
Firefox (<i>Below v.47</i>) Refer Part2-Page58	System.setProperty("webdriver.gecko.driver", "PathTo\\geckodriver.exe");
Download from https://github.com/mozilla/gecko driver/releases	WebDriver driver = new FirefoxDriver();
Chrome Refer Part2-Page59	System.setProperty("WebDriver.chrome. driver", System.getProperty("user.dir")+"//Browse rDrivers//chromedriver.exe");
Download from https://sites.google.com/a/chrom ium.org/chromedriver/download s	WebDriver driver = new ChromeDriver();
Internet Explorer ^{Refer} Part2-Page59	System.setProperty("WebDriver.ie.driver" , "PathTo//IEDriverServer.exe");
Download from The Internet Explorer Driver Server at http://docs.seleniumhq.org/down load/	WebDriver driver = new InternetExplorerDriver();

Selenium Locators	
Locating by ID Refer Part2-Page37	driver.findElement(By.id("q")).sendKeys(" Selenium 3");
Locating by Name Refer Part2-Page37	driver.findElement(By.name("q")).sendKeys("Selenium 3");
Locating by Xpath ^{Refer} Part2-Page37/38	driver.findElement(By.xpath("//input[@id=q']")).sendKeys("Selenium 3");
Locating Hyperlinks by Link Text Refer Part2-Page38/39	<pre>driver.FindElement(By.LinkText("edit this page")).Click();</pre>

Selenium Locators (cont)
Locating by DOMRefer Part2-Page39	dom =document.getElementById('signinForm')
Locating by CSS ^{Refer} Part2-Page40-43	driver.FindElement(By.CssSelector("#rightbar > .menu > li:nth-of-type(2) > h4"));
Locating by ClassNameRefer Part2-Page37	driver.findElement(By.className("profile-header"));
Locating by TagName ^{Refer} Part2-Page37	driver.findElement(By.tagName("select")).Cli ck();
LinkText ^{Refer} Part2-Page37-40	driver.findElement(By.linkText("NextPage")).c lick();
Locating by PartialLinkTextRefer Part2-Page37-40	driver.findElement(By.partialLinkText("NextP")).click();

Selenium Exceptions	
'Server Exception : sessionId should not be null Refer Part2-Page160	Replace Chrome Driver with Latest Version
ERROR: No sessionId providedRefer Part2-Page160	Use Jenkins
UnreachableBrowserException Refer Part2-Page160	Registry Key Changes Recommended
Illegal state exception using Selenium 3Refer Part2-Page161	Get latest Firefox Gecko Driver

Selenium





By Narayanan Palani (Narayanan Palani) cheatography.com/narayananpalani/ Published 15th November, 2016. Last updated 15th November, 2016. Page 1 of 3. Sponsored by **CrosswordCheats.com**Learn to solve cryptic crosswords!
http://crosswordcheats.com



Selenium WebDriver Cheat Sheet Cheat Sheet

by Narayanan Palani (Narayanan Palani) via cheatography.com/32112/cs/9838/

Annotations

TestNG @BeforeSuite @AfterSuite @BeforeTest @AfterTest

@BeforeGroups @AfterGroups @BeforeClass @AfterClass

@BeforeMethod @AfterMethod

JUnit @After @AfterClass @Before @BeforeClass @Ignore @Test

Author:Narayanan Palani



Practice Scripts

Launch driver.get("www.raghava.uk");

WebpageRefer

Part2-Page60

Click driver.findElement(By.id("submit")).click();

ButtonRefer

Part2-Page60

Store TextRefer String txtDropdown =

Part2-Page60 driver.findElement(By.ID("select")).getText();

Enter TextRefer Part2-Page61

driver.findElement(By.xpath("//input[@name='FirstNa

me034']")).sendKeys("NarayananPalani");

Handle AlertRefer

Part2-Page62

Alert Alertpopup = driver.switchTo().alert();

(Mouse)ClickRef er Part2-Page62

driver.findElement(By.xpath("//input[@value='OBJECT

NAME']")).click();

Compare

Assert.assertTrue(chkbox12.isSelected());

TextRefer

Part2-Page64

Practice Scri	nts (cont)

Disable a driver.getElementsByName('<ObjectID>')

Field Refer [0].setAttribute('disabled', ");

Part2-Page64

Enable a

driver.getElementsByName('<ObjectID>')

Field Refer

[0].removeAttribute('disabled';

Part2-Page64 **Screenshot**Ref

File snapshot =

er Part2-Page64 ((TakesScreenshot)driver).getScreenshotAs(OutputType

.FILE);

FileUtils.copyFile(snapshot, new File("C:\\screenshot.jpg"));

String pagetitle = driver.getTitle();

Print the Title of the

PageRefer

Part2-Page68

System.out.print(pagetitle);

Implicit

TimeUnit.SECONDS); WaitRefer

Part2-Page69

Explicit

WaitRefer Part2-Page70 WebDriverWait wait = new WebDriverWait(driver, 20);

driver.manage().timeouts().implicitlyWait(10,

wait.until (Expected Conditions.textToBePresentInElement

Located(By.xpath("//div[@id='<Object ID>']"), "Enter

Your Personal Details"));

Fluent WaitRefer

Part2-Page70

Wait wait = new FluentWait(driver)

.withTimeout(20, SECONDS)

SleepRefer Thread.Sleep(10); Part2-Page70



By Narayanan Palani (Narayanan Palani) cheatography.com/narayananpalani/

Published 15th November, 2016. Last updated 15th November, 2016. Page 2 of 3.

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com



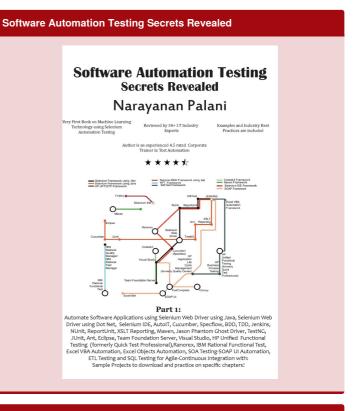
Selenium WebDriver Cheat Sheet Cheat Sheet

by Narayanan Palani (Narayanan Palani) via cheatography.com/32112/cs/9838/

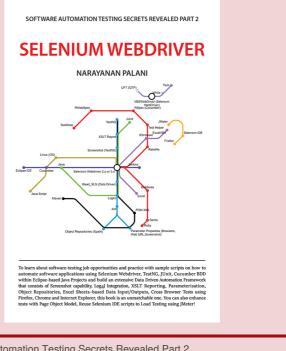
Selenium Automation Framework using Java		
JavaRefer Part1-Page74	http://www.oracle.com/technetwork/java/j avase/downloads/index.html	
Java Configuration Refer Part1-Page75	JAVA_HOME,PATH	
Eclipse IDERefer Part1-Page79	http://eclipse.org/downloads/	
Excel Data Driven CapabilityRefer Part1-Page88	http:// archive.apache.org/dist/poi/release/bin/	
Logging Capability- Log4JRefer Part1-Page90	http://logging.apache.org/log4j/1.2/download.html	
Selenium ^{Refer Part1-Page92}	http://docs.seleniumhq.org/download/	
HTML/Email Reporting-XSLT Report ^{Refer Part1-Page93}	http://mvnrepository.com/artifact/net.sf.sa xon/saxon/8.7	
Ant Build Capability ^{Refer} Part1-Page93	http://ant.apache.org/antlibs/bindownload	
MavenRefer Part1-Page126	http://download.eclipse.org/technology/m2	
TestNG-Test Execution CapabilityRefer Part1-Page102	http://beust.com/eclipse	
CucumberRefer Part1-Page204	https://cucumber.io/cucumber-	

Cheat Sheet Book Reference https://www.amazon.com/Software-Software Automation Testing Secrets Revealed Automation-Testing-Secrets-Revealed/dp/9383952954/ Selenium WebDriver: https://www.educreation.in/store/selenium-web Software Automation driver-software-automation-testing-secrets-Testing Secrets Revealed revealed-part2-narayanan-palani.html Part 2

eclipse/update-site



SeleniumWebDriver



Software Automation Testing Secrets Revealed Part 2



By Narayanan Palani (Narayanan Palani) cheatography.com/narayananpalani/

Published 15th November, 2016. Last updated 15th November, 2016. Page 3 of 3.

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com