**Handling Ajax or Mouse Interactions:**

All kinds or Mouse and Keyboard actions will be done using Actions class. Examples are moving mouse to a particular position, selecting a text etc.

Creating an Action object:

Actions a = new Actions(driver);

If you want to move mouse to a particular element use moveToElement method by passing the element as variable and then use build() and perform().

a.moveToElement(driver.findElement(By.id(“firstname”)).build().perform();

Example:

Move the cursor over the “Move Mouse Here” text and “dynamic button 2” button will be displayed. Click on the button and an alert will appear. Dismiss the alert and close the window.

**package** Selenium;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.Keys;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.openqa.selenium.interactions.Actions;

**public** **class** ActionsClass {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

System.*setProperty*("webdriver.gecko.driver", "C:\\BrowserDrivers\\geckodriver.exe");

WebDriver driver = **new** FirefoxDriver();

driver.get("file:///D:/Selenium%20Course/Java/index.html");

Thread.*sleep*(2000);

WebElement fn = driver.findElement(By.*id*("movehere"));

Actions a = **new** Actions(driver);

a.moveToElement(fn).build().perform();

Thread.*sleep*(2000);

driver.findElement(By.*id*("mouseoverbtn")).click();

Thread.*sleep*(2000);

driver.switchTo().alert().dismiss();

Thread.*sleep*(2000);

driver.quit();

}

}