**Automate the Web Application**

**Source Code**

**Login.java**

packagelogindemo;

importorg.openqa.selenium.By;

importorg.openqa.selenium.WebDriver;

importorg.openqa.selenium.chrome.ChromeDriver;

publicclasslogin{

publicstaticvoidmain(String[]args){

// Set the path to the chromedriver executable

System.*setProperty*("webdriver.chrome.driver",

"D:\\Working Software\\Salenium\\seleniumjars\\chromedriver.exe");

// Create a new instance of the ChromeDriver

WebDriverdriver=newChromeDriver();

// Open the website

driver.get("https://www.saucedemo.com/");

// Maximize the browser window

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

driver.findElement(By.*name*("user-name")).sendKeys("standard\_user");

driver.findElement(By.*id*("password")).sendKeys("secret\_sauce");

driver.findElement(By.*xpath*("/html/body/div/div/div[2]/div[1]/div/div/form/input")).click();

}

}

**Register.java**

packageRegisterDemo;

importorg.openqa.selenium.By;

importorg.openqa.selenium.WebDriver;

importorg.openqa.selenium.WebElement;

importorg.openqa.selenium.chrome.ChromeDriver;

importorg.openqa.selenium.support.ui.ExpectedConditions;

importorg.openqa.selenium.support.ui.Select;

importorg.openqa.selenium.support.ui.WebDriverWait;

importorg.openqa.selenium.JavascriptExecutor;

publicclassregister{

publicstaticvoidmain(String[]args){

// Set the path to the chromedriver executable

System.*setProperty*("webdriver.chrome.driver",

"D:\\Working Software\\Salenium\\seleniumjars\\chromedriver.exe");

// Create a new instance of the ChromeDriver

WebDriverdriver=newChromeDriver();

// Open the website

driver.get("https://nxtgenaiacademy.com/demo-site/");

// Maximize the browser window

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

//by id

driver.findElement(By.*id*("vfb-5")).sendKeys("Dinesh");

//by id

driver.findElement(By.*id*("vfb-7")).sendKeys("Kumar");

//by name

driver.findElement(By.*name*("vfb-31")).click();

// by cssselector

driver.findElement(By.*cssSelector*("input#vfb-13-address")).sendKeys("Dubai MainRoad");

driver.findElement(By.*cssSelector*("input#vfb-13-address-2")).sendKeys("No 6 Vevekanantha Street ");

driver.findElement(By.*cssSelector*("input#vfb-13-state")).sendKeys("Dubai kurukusanthu");

driver.findElement(By.*cssSelector*("input#vfb-13-zip")).sendKeys("Dubai ");

// Find the dropdown element and click on it

WebElementdropdownElement=driver.findElement(By.*className*("select2-selection\_\_arrow"));

dropdownElement.click();

// Wait for the dropdown options to be visible

WebDriverWaitwait=newWebDriverWait(driver,10);

wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*className*("select2-results\_\_option")));

// Find the option by its text and click on it

WebElementoption=driver.findElement(By.*xpath*("//li[contains(text(),'Saudi Arabia')]"));

option.click();

//absolute xpath

driver.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/section/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[5]/input")).sendKeys("vadivel@gmail.com");

// Find the date input field by its ID

WebElementdateInput=driver.findElement(By.*id*("vfb-18"));

// Clear any existing value in the field (optional)

dateInput.clear();

// Enter the desired date in the format "MM/DD/YY"

StringdesiredDate="07/19/23";

dateInput.sendKeys(desiredDate);

//Relative Xpath

driver.findElement(By.*xpath*("//\*[@id=\"vfb-19\"]")).sendKeys("956749789");

// Find the checkbox element by its ID or any other suitable locator

WebElementcheckbox=driver.findElement(By.*id*("vfb-20-0"));

// Check if the checkbox is not selected and then select it

if(!checkbox.isSelected()){

checkbox.click();

}

WebElementcheckbox2=driver.findElement(By.*id*("vfb-20-3"));

// Check if the checkbox is not selected and then select it

if(!checkbox2.isSelected()){

checkbox2.click();

}

driver.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/section/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[10]/div/textarea")).sendKeys(" I am your Best Friend okey! ");

driver.findElement(By.*id*("vfb-3")).sendKeys("99");

//relative xpath

driver.findElement(By.*xpath*("//\*[@id=\"vfb-4\"]")).click();

}

}