

Source Code :

```
package lessonEndProject;
import java.util.List;
import org.junit.After;
import org.junit.Before;
import org.junit.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class GoogleSearchTest {
    WebDriver driver ;
    @Before
    public void setup()
    {
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.google.com/");
    }
    @Test
    public void testgooglesearchEngine() throws InterruptedException
    {
        driver.findElement(By.xpath("//div[@class='DPXIy']/child::textarea[1]")).sendKeys("Simplilearn");
        //Wait for few seconds for the dropdown to be visible
        Thread.sleep(7000);
        // Write an XPATH where selenium will fetch all the options in the drop down
        // Create a list object that will store the fetched options from the dropdown
        List<WebElement> li =
driver.findElements(By.xpath("(//div[@role='presentation'])[2]/descendant::li"));
        // print the size of the list
        System.out.println(li.size());
        // iterate over the list of webelement, print them and click on the element that your desire
        for(WebElement text: li)
        {
            String elementText = text.getText();
            System.out.println(elementText);
            if(elementText.contains("customer"))
            {
                text.click();
                break;
            }
        }
    }
    @After
    public void teardown()
    {
        driver.close();
    }
}
```