

Source Code:

LessonEndProject:

```
package lessonendProject;
import org.junit.jupiter.api.AfterEach;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class LessonendProject {

    WebDriver driver;

    @BeforeEach
    public void setup()
    {
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.facebook.com/");
    }

    @Test
    public void testfacebookAuthentication() throws
    InterruptedException
    {

        driver.findElement(By.xpath("//input[@id='email']")).sendKeys("admin@gmail.com");

        driver.findElement(By.xpath("//input[@id='pass']")).sendKeys("admin@123");

        driver.findElement(By.xpath("//button[@id='u_0_5_oA']//font//font[contains(text(),'log in')]")).click();
        Thread.sleep(2000);
    }
    @AfterEach
    public void teardown()
    {
        driver.close();
    }
}
```

GoogleSearchTest:

```
package lessonendProject;
import java.util.List;
import org.junit.jupiter.api.AfterEach;
import org.junit.jupiter.api.BeforeEach;
```

```

import org.junit.jupiter.api.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 ;

    @BeforeEach
    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;
    }

}

}

@AfterEach
public void teardown()
{
    driver.close();
}

}
```