

***** Different Locators in Selenium *****

id, name, className, tagName, linkText, partialLinkText, CSS selector and Xpath

If you are using @locatorName then we have to use = operator and if you are using contains method then we have to use comma ,

The screenshot shows the Amazon.in homepage. The 'Mobiles' link in the navigation bar is highlighted with a red arrow. Below the page, the Selenium IDE 'Elements' tab is open, showing the HTML structure of the page. The following XPath locators are highlighted in yellow:

- `//a[@href="/mobile-phones/b/?ie=UTF8&node=1389401031&ref_=nav_cs_mobiles" class="nav-a" data-csa-c-slot-id="nav_cs_3" data-csa-c-content-id="nav_cs_mobiles" data-csa-c-id="h3d212-av"]`
- `//a[contains(text(),'Mobiles')]`

A red arrow labeled 'xpath' points to the first highlighted XPath. Another red arrow points to the second XPath, which is part of a list of elements: `... w.hamburger.nav-progressive-attribute div#nav-main.nav-sprite div.nav-fill div#nav-xshop-container div#nav-xshop.`

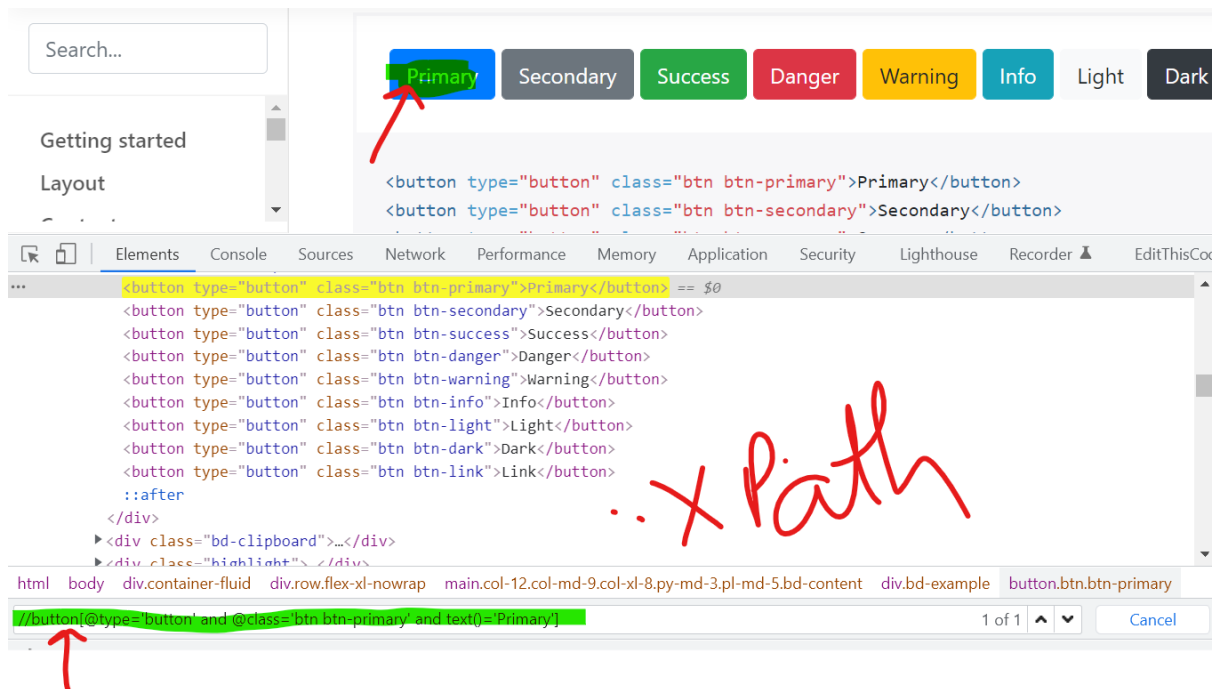
```
*AmazonHomePage.java SeleniumUiAutomation/pom.xml
1 import org.openqa.selenium.By;
2 import org.openqa.selenium.WebDriver;
3 import org.openqa.selenium.WebElement;
4 import org.openqa.selenium.chrome.ChromeDriver;
5
6 public class AmazonHomePage {
7
8     public static void main(String[] args) {
9         //System.setProperty("webdriver.chrome.driver", "D:\\chromedriver_win32\\
10         WebDriver driver = new ChromeDriver();
11         driver.get("https://www.amazon.in/");
12         //String homePageTitle = driver.getTitle();
13         //System.out.println("Title of home page is: " + homePageTitle);
14
15         WebElement mobile = driver.findElement(By.LinkText("Mobiles"));
16         System.out.println(mobile.getText());
17         driver.close();
18
19     }
20
21 }
22
```

<terminated> AmazonHomePage [Java Application] C:\Program Files\Java\jre1.8.0_291\bin\javaw.exe (07-Jun-2023, Only local connections are allowed. Please see <https://chromedriver.chromium.org/security-considerations> for suggestion ChromeDriver was started successfully.
Jun 07, 2023 12:43:26 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestM.
WARNING: Unable to find CDP implementation matching 97
Jun 07, 2023 12:43:26 AM org.openqa.selenium.chromium.ChromiumDriver lambda\$new\$3
WARNING: Unable to find version of CDP to use for . You may need to include a depen
Mobiles

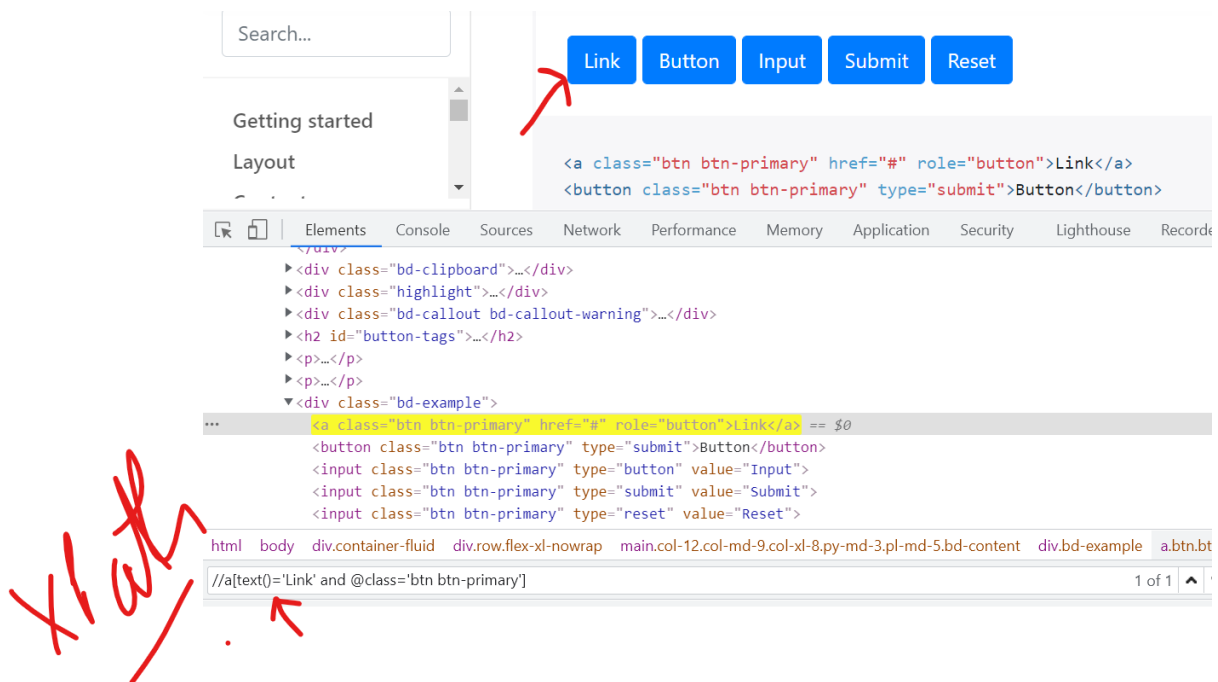
//a[text()='Mobiles']

Same we can write with ID locator

`//input[@id='email']`



`//button[@type='button' and @class='btn btn-primary' and text()='Primary']`



Another example:

X path

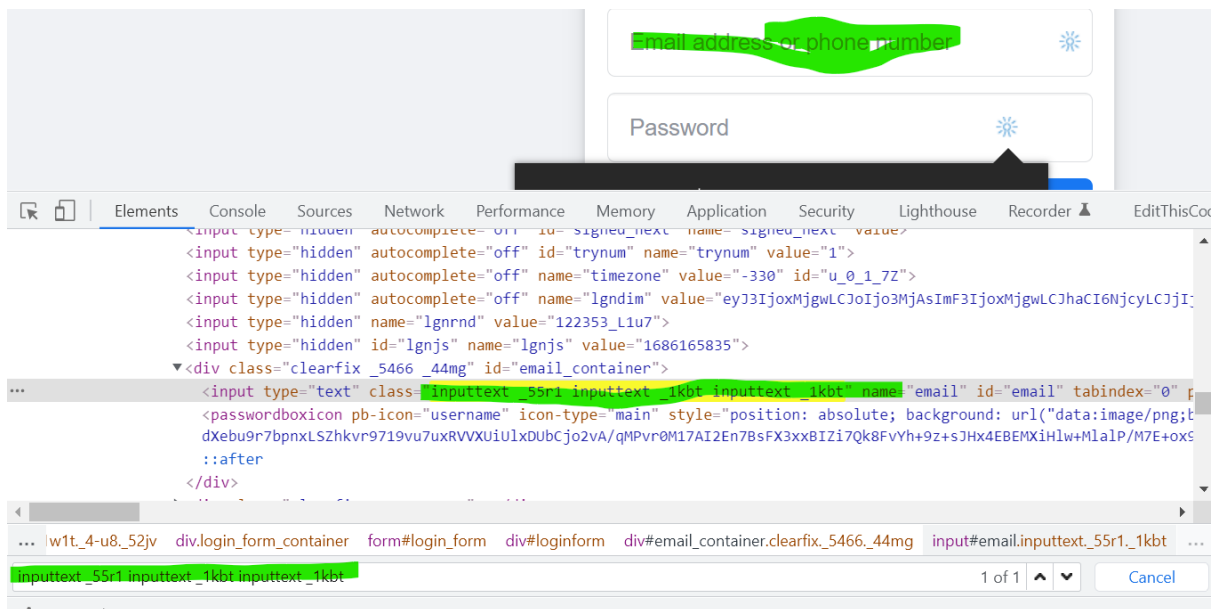
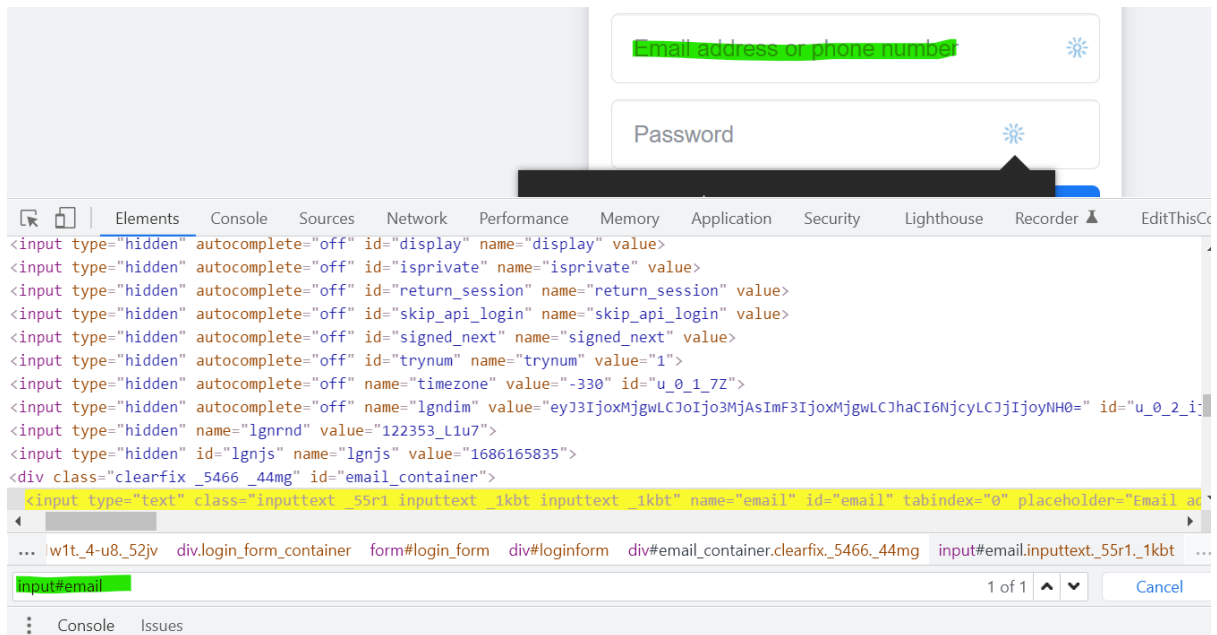
```
//a[text()='Himansu']/parent::td//preceding-sibling::td//div[@class='ui fitted read-only checkbox']/input[@type='checkbox']
```

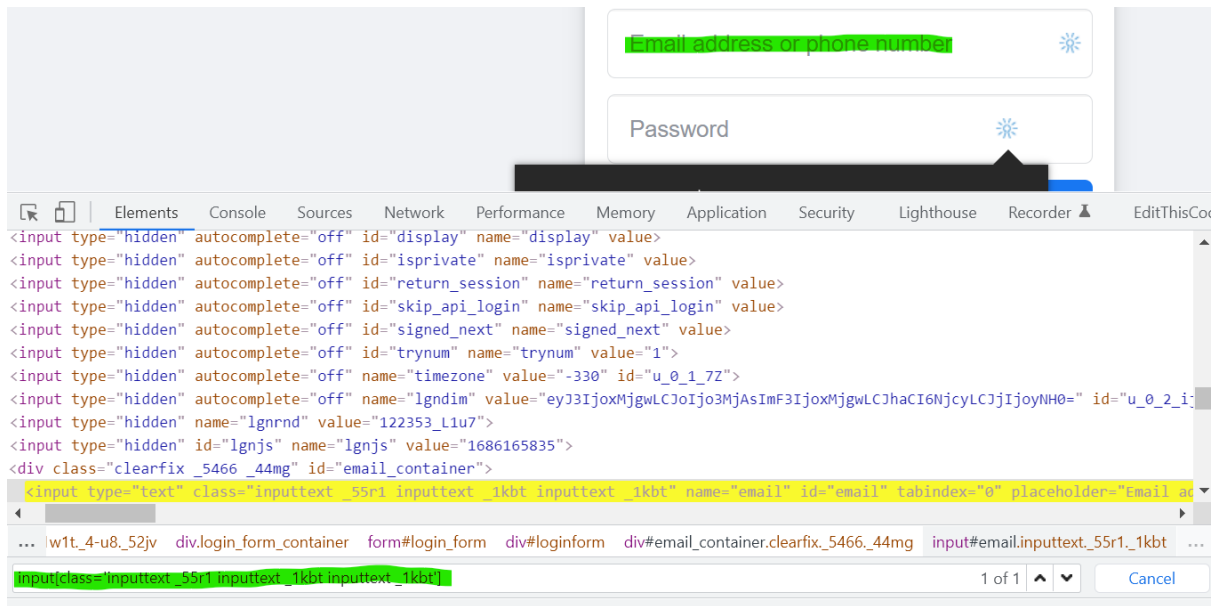
//a[text()='Himansu']/parent::td//preceding-sibling::td//div[@class='ui fitted read-only checkbox']/input[@type='checkbox']

CSS Selectors

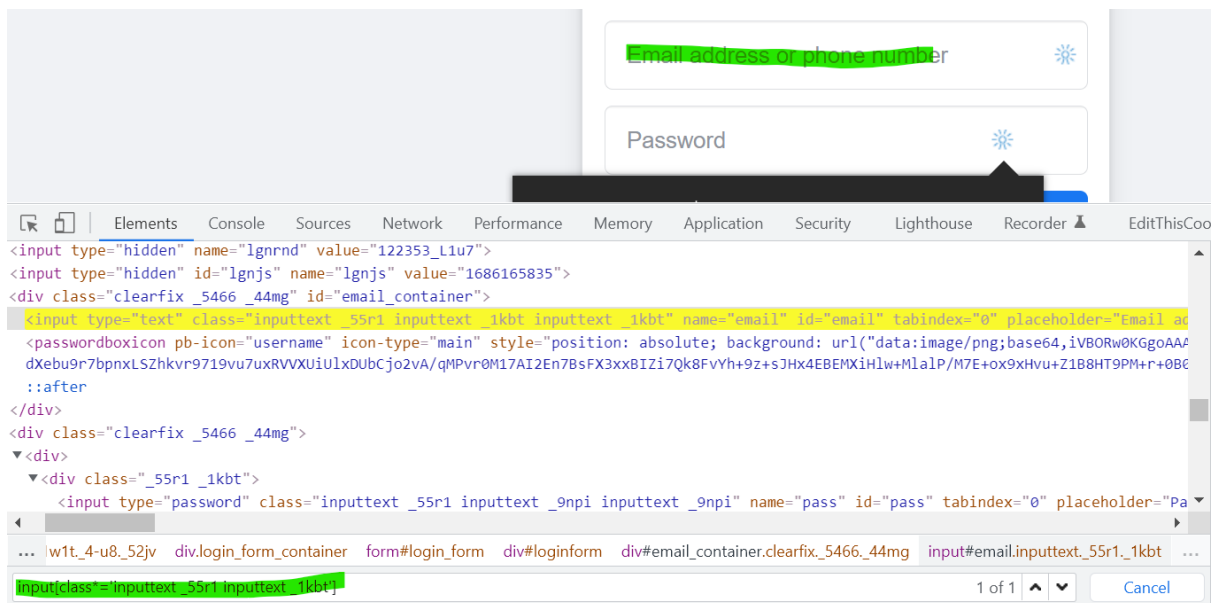
1. Id → htmltag#id, #id
2. Class → htmltag.classname, .classname, .classname1.classname2.... classname n
3. Parent > childtag

```
input[id=email][name=email]
```



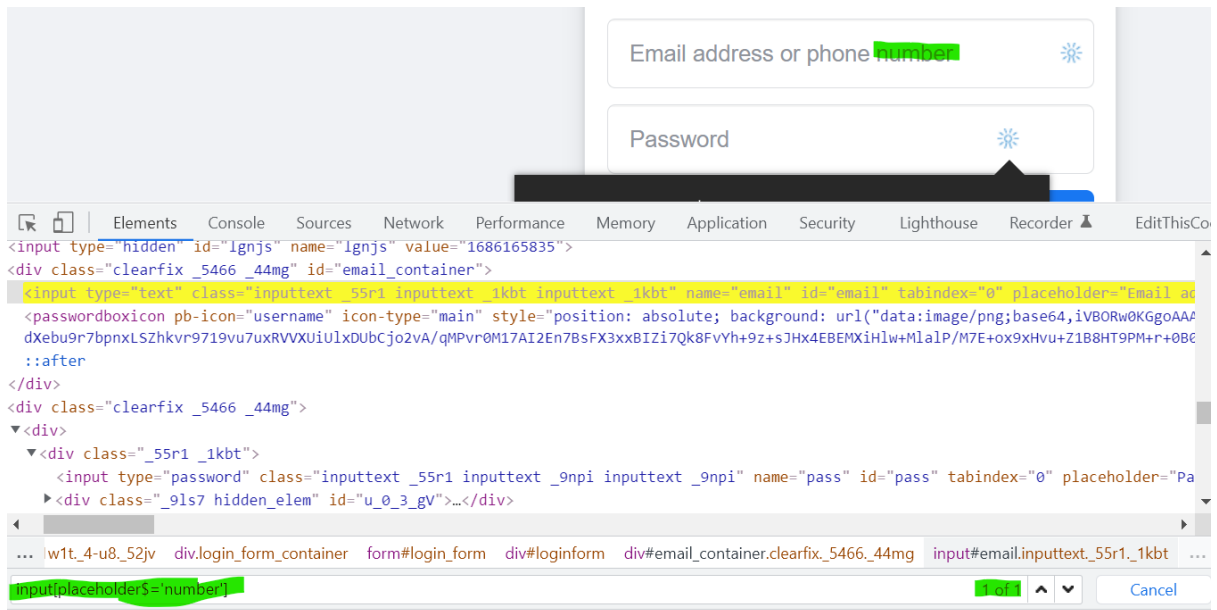


Contains in CSS

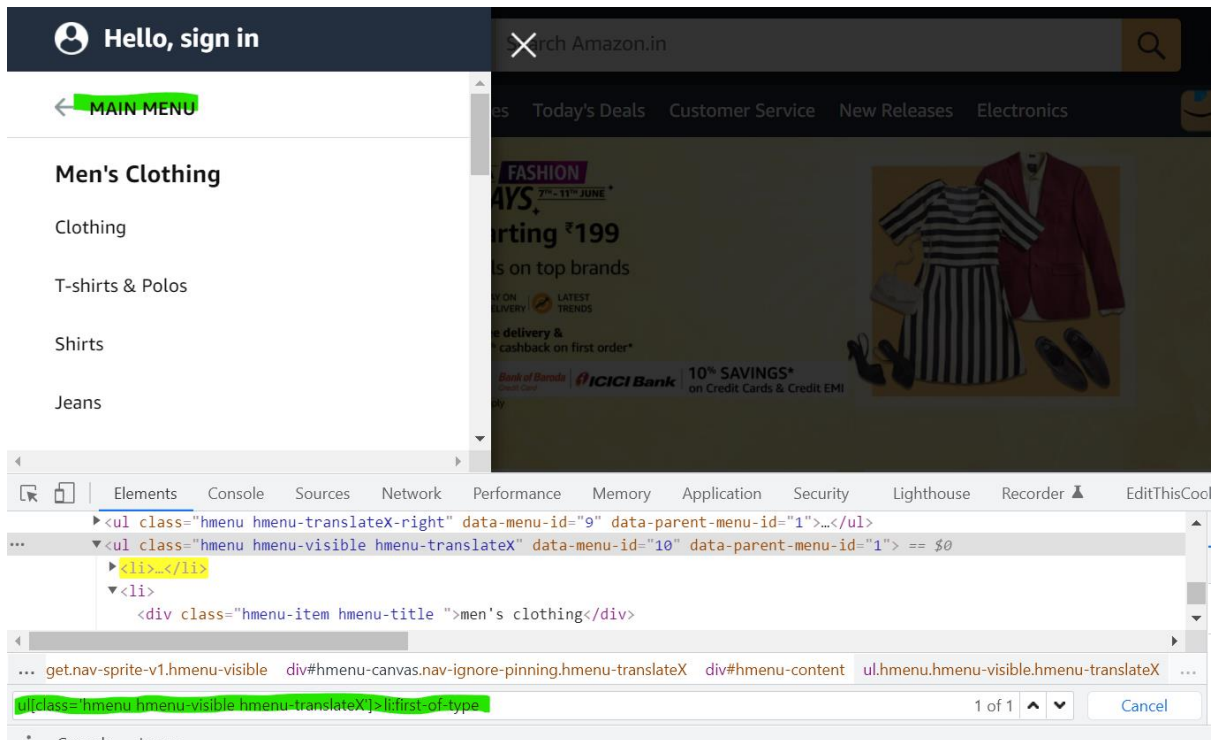


Starting text in CSS

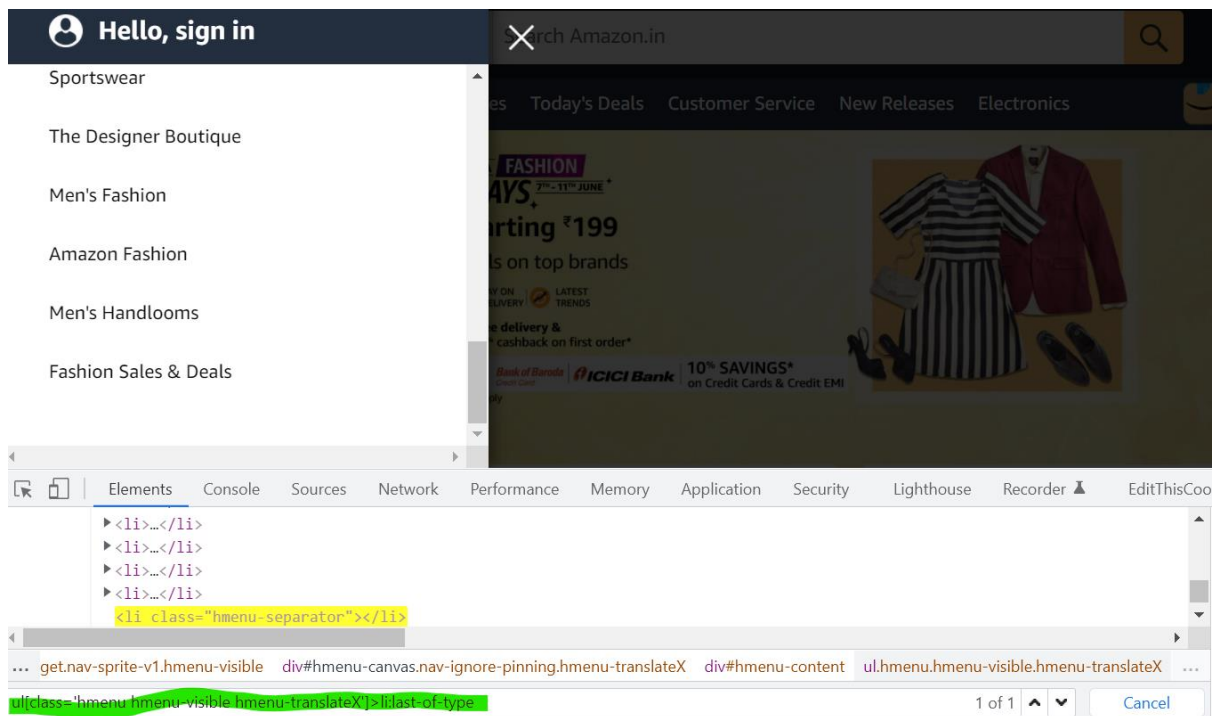
Ending text in CSS



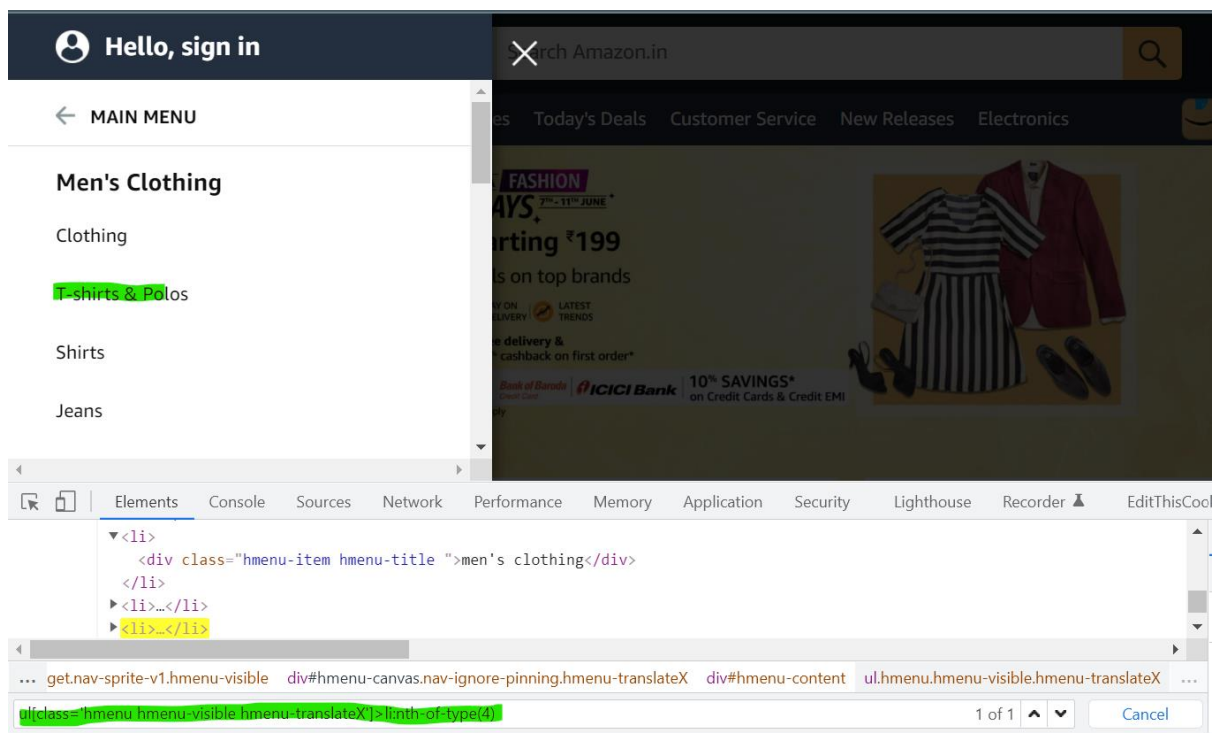
First-of-type in CSS



Last-of-type in CSS



Nth-of-type in CSS



Sibling of element

