When the locator is wrong, we get no such element exception. There is no exception by the name element not found. This is for driver.findelement.

```
1 package seleniumsessions;
 3∘import org.openqa.selenium.By;
 4 import org.openqa.selenium.WebDriver;
 5 import org.openqa.selenium.WebElement;
 6 import org.openqa.selenium.chrome.ChromeDriver;
 8 public class FindElementsUseCases {
10∘
       public static void main(String[] args) {
11
           WebDriver driver = new ChromeDriver();
13
           driver.get("https://naveenautomation_abs.om/opencart/index.php?route=account/login");
14
           WebElement ele = driver.findElement(By.id("input-email11"));
15
16
17
18
```

Driver.findelements

```
//[]
//O

List<WebElement> eleList = driver.findElements(By.className("test-naveen"));
System.out.println(eleList);
System.out.println(eleList.size());
```

It wont give error for wrong locator. It will give empty list and size would be zero.

Find elements can also work with one element-

```
//WebElement ele = driver.findElement(By.id("inpra-email"));
18
           //NoSuchElementException : NSE
19
           List<WebElement> eleList = driver.findElements(B.classN/me("test-naveen"));
20 //
21 //
           System.out.println(eleList);
           System.out.println(eleList.size());
23
24
25
           List<WebElement> eleList = driver.findElements(By.id("input-email")));
26
           System.out.println(eleList.size());
27
```

Create utility-

Will work and return true when one element is returned surely else false.

Check if element is present or not.

This is for checking if only one element is present.

```
public static boolean checkElementDisplayed(By locator) {
    if(getElements(locator).size() == 1) {
        System.out.println("element : " + locator + " is displayed on the page one time");
    return true;
}

return false;
}

public static List<WebElement> getElements(By locator) {
    return driver.findElements(locator);
}
```

Lets call the util methods-

```
// element : By.id: input-email is displayed on the page one time true
```

```
# 20 //NoSuchElements
             //NoSuchElementException : NSE
21
Ju 22 //
23 //
24 //
             List<WebElement> eleList = driver.findElements(By.className("test-naveen"));
              System.out.println(eleList);
             System.out.println(eleList.size());
  26
  27 //
             List<WebElement> eleList = driver.findElements(By.id("input-email"));
  28 //
              System.out.println(eleList.size());
  29
  30
              By emailId = By.id("input-email");
  31
              System.out.println((checkElementDisplayed(emailId));
  32
  33
          }
  34
```

Changed code by renaming the method name properly-

```
31
32
             System.out.println(checkSingleElementDisplayed(emailId));
 33
 34
35
 36
        public static boolean checkSingleElementDisplayed(B)
37⊜
             if(getElements(locator).size() == 1) {
   System.out.println("element : " + locator +
38
39
                                                                      is dis layed on the page one time");
40
                 return true;
41
42
             return false;
43
44
45
46
47⊜
        public static List<WebElement> getElements(By locator) {
48
             return driver.findElements(locator);
49
50
```

Rechanged the method name 14.39

```
32
            System.out.println(checkElementDisplayed(emailId));
33
       }
34
35
36
37⊜
       public static boolean checkElementDisplayed(By locator) {
            if(getElements(locator).size() == 1) {
   System.out.println("element : " + locator + " is displayed on the page one time");
38
39
40
                 return true;
41
42
            return false;
43
       }
44
45
46
479
       public static List<WebElement> getElements(By locator) {
48
            return driver.findElements(locator);
49
50
```

Overload the method to check for more than one element-

So if we want to ensure that a particular element comes only that many number of times we can use this method.

```
public static boolean checkElementDisplayed(By locator, int expElementCount) {
    if(getElements(locator).size() == expElementCount) {
        System.out.println("element : " + locator + " is displayed on the page time"+ expElementCount);
        return true;
    }
    return false;
}
```

Call the method

```
29
30
           By emailId = By.id("input-naven");
31
32
           System.out.println(checkElementDisplayed(emailId));
33
34
35
           By forgotPwdLink = By.linkText("Forgotten Password");
36
           if(checkElementDisplayed(forgotPwdLink, 2)) {
37
               System.out.println("forgot pwd is coming 2 times on the page");
38
39
40
```

Updated little code in sysout-

```
public static boolean checkElementDisplayed(By locator, intexpElementCount) {
    if(getElements(locator).size() == expElementCount) {
        System.out.println("element : " + locator + " is displayed on the page "+ expElementCount + " times");
    return true;
}
return false;
}
```

Can be used instead of isdisplayed because this method wont throw exception if the element is not on the page. It will return zero.

Move to element util-

```
90⊖
          public boolean checkElementDisplayed(By locator) {
              if(getElements(locator).size() == 1) {
    System.out.println("element : " + locator + " is displayed on the page one time");
 94
               return false;
 95
 96
         public boolean checkElementDisplayed(By locator, int expElementCount) {
              if(getElements(locator).size() == expElementCount) {
    System.out.println("element : " + locator + " is displayed on the page "+ expElementCount + " times");
100
101
                    return true;
102
103
               return false;
104
```

Xpath-

This xpath is for languages available links in google.com-

```
Google offered in: हिन्दी वाश्ला తెలుగు मराठी தமிழ் ગુજરાતી ಕನ್ನಡ മലയാളം ਪੰਜਾਬੀ
```

If child is directly associated use single slash.

We want all the <a> under the <div> tag.

Xpath -



How to read- 32.29

We want the list of all <a> links not <div> links. Read from back to front.

```
19 List<WebElement> langLinksList = driver.findElements(By.xpath("//div[@id='SIvCob']/a"));
```

Find language links on google //9

```
[1] · ____ [ [2] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4] · [4]

    ElementUtil.java
    FindElementsUseCases.java
    GoogleLanguageTest.java 

               1 package seleniumsessions;
le
Ju
               3. import java.util.List;
               5 import org.openqa.selenium.By;
               6 import org.openqa.selenium.WebDriver;
               7 import org.openqa.selenium.WebElement;
               8 import org.openqa.selenium.chrome.ChromeDriver;
            10 public class GoogleLanguageTest {
           12
                                        static WebDriver driver;
            13
            14⊕
                                       public static void main(String[] args) {
            15
           16
                                                       driver = new ChromeDriver();
                                                       driver.get("https://www.google.com/");
           17
           18
                                                       List<WebElement> langLinksList = driver.findElements('y.xr \('')'div[@id='SIvCob']/a"));
            19
           20
           21
                                                     System.out.println(langLinksList.size());
           22
           23
           24
           25
```

Get the text and print it-

```
हिन्दी
//
            বাংলা
            ತಿಲುಗು
            मराठी
            தமிழ்
//
            ગુજરાંતી
            ಕನ್ನಡ
            മലയാളം
            ਪੰਜਾਬੀ
//
22
23
            for(WebElement e : langLinksList) {
                String text = e.getText();
24
25
                System.out.println(text);
26
27
```

Click on text and break-

When we get the required text, click on it and break.

```
// हिन्दी
// वाःना
// खण्ण
// मराठी
```

When marathi comes, click on it and break. Design ocd for 9th.

```
System.out.println(langLinksList.size());
21
22
            for (WebElement e : langLinksList) {
23
                String text = e.getText();
24
                System.out.println(text);
25
                if (text.equals("मराठी")) {
26
                     e.click();
27
                     break;
28
                }
29
                                  Ŧ
            }
30
31
        }
32
\angle \bot
22
            for (WebElement e : langLinksList) {
23
                 String text = e.getText();
24
                 System.out.println(text);
25
                 if (text.equals("मराठी")) {
26
                     e.click();
27
                     break;
28
                 }
29
                                  I
            }
30
31
        }
32
```

Create utilityAnd call the utility

```
total number of elements: 9
//
//
            English
            हिन्दी
//
//
             বাংলা
//
             ತಿಲುಗು
            தமிழ்
//
            ગુજરાતી
//
             ಕನ್ನಡ
//
//
             മലയാളം
            ਪੰਜਾਬੀ
//
```

```
☑ FindElementsUseCases,java
☑ GoogleLanguageTest.java ※
10 public class GoogleLanguageTest {
11
       static WebDriver driver;
12
13
       public static void main(String[] args) {
149
15
            driver = new ChromeDriver();
16
           driver.get("https://www.google.com/");
17
18
           By langLocator = By.xpath("//div[@id='SIvCob']/a");
19
20
           clickElement(langLocator, "मराठी");
21
22
       }
23
248
       public static void clickElement(By locator, String value)
            List<WebElement> eleList = driver.findElements(locator);
25
            System.out.println("total number of elements: " + eleList.size());
26
            for (WebElement e : eleList) {
27
                String text = e.getText();
28
                System.out.println(text);
29
                if (text.equals(value)) {
30
                    e.click();
31
                    break;
32
33
           }
34
       }
35
36
37 }
38
```

Move the utility to element util-

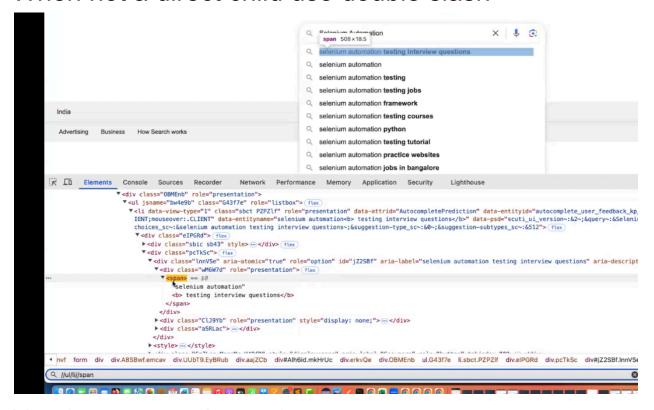
```
106⊕
        public void clickElement(By locator, String value) {
107
            List<WebElement> eleList = getElements(locator);
            System.out.println("total number of elements: " + eleList.size());
108
            for (WebElement e : eleList) {
109
                String text = e.getText();
110
111
                System.out.println(text);
112
                if (text.equals(value)) {
113
                     e.click():
114
                     break;
115
116
            }
        }
117
```

Changed equals to contains-Equals is very hard check we performed.

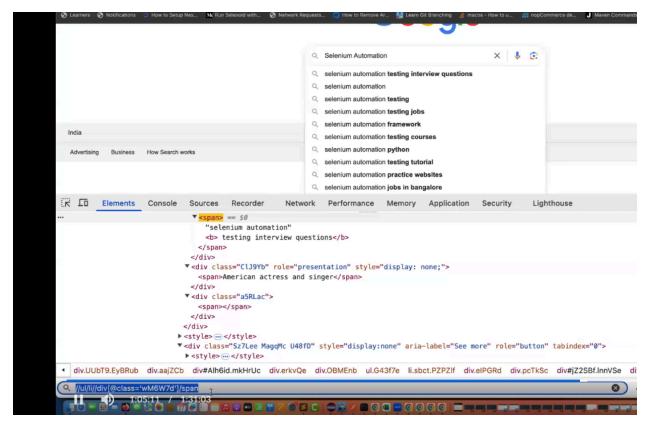
```
105
106⊖
        public void clickElement(By locator, String value) {
107
            List<WebElement> eleList = getElements(locator);
108
            System.out.println("total number of elements: " + eleList.size());
109
            for (WebElement e : eleList) {
110
                String text = e.getText();
111
                System.out.println(text);
                if (text.contains(value)) {
112
113
                    e.click();
                    break;
114
115
116
```

Now enter in google
Then suggestions come
Click on the one you want
Then break
How to do it Find the web element of the search box
Pass values to it

Wait for some time for suggestions to come Find elements to capture suggestions When not a direct child use double slash-



Xpath to get all the options



Great code-

Captures all suggestions.

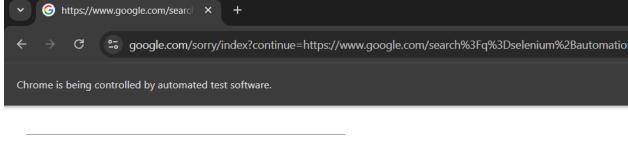
Used sleep to wait for sometime for values to appear.

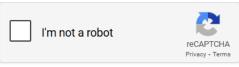
```
* 13

selenium automation
selenium automation framework
selenium automation testing
selenium automation testing interview questions
selenium automation practice websites
selenium automation interview questions
selenium automation testing jobs in pune for freshers
selenium automation testing courses
selenium automation testing jobs in pune
selenium automation testing with java
```

```
☐ GoogleLanguageTest.java ☐ GoogleSearchTest.java 🏻
 1 package seleniumsessions;
 3 import java.util.List;
 5 import org.openqa.selenium.By;
   import org.openqa.selenium.WebDriver;
   import org.openqa.selenium.WebElement;
 8 import org.openqa.selenium.chrome.ChromeDriver;
10 public class GoogleSearchTest {
11
12
13
14°
15
       static WebDriver driver;
       public static void main(String[] args) throws InterruptedException {
16
            driver = new ChromeDriver();
17
           driver.get("https://www.google.com/");
18
19
            driver.findElement(By.name("q")).sendKeys("Seler ium
                                                                     atomation");
20
21
22
23
24
           List<WebElement> suggList = driver.findElements(By.xpath("//div[@class='wM6W7d']/span"));
25
           System.out.println(suggList.size());
26
27
            for(WebElement e : suggList) {
28
                String text = e.getText();
29
                System.out.println(text);
30
31
32
33
```

Click on python text and then exit-It will open new link with python. Captcha blocks it.





About this page

Our systems have detected unusual traffic from your computer netwo rk. This page checks to see if it's really you sending the requests, and not a robot. Why did this happen?

IP address: 103.204.161.117 Time: 2025-09-26T10:00:13Z

URL: https://www.google.com/search?q=selenium+automation+testin g+jobs+in+pune+for+freshers&sca_esv=70a532a702b7bdb6&source =hp&ei=JmTWaKWAJLqgnesPksnt-A4&iflsig=AOw8s4lAAAAANZy NtpRiHQ3Xy5l8SKTtDPE-HhrlAbi&oq=Selenium+Automation&gs_lp=Egdnd3Mtd2l6lhNTZWxlbml1bSBBdXRvbWF0aW9uKgllBjlFEAAYgA QyBRAAGIAEMgUQABiABDIFEAAYgAQyBRAAGIAEMgUQABiABDIFEAAYgAQyBRAAGIAEMgUQABiABDIFEAAYgAQyBRAAGIAEMgUQABiABDIFEAAYgARIsR5QAFhQcAB4 AJABApgB2wGgAdUFqgEFMC4zLjG4AQHIAQD4AQGYAgKgAuAC mAMAkgcDMC4yoAeoGbIHAzAuMrgH4ALCBwUzLTEuMcgHJg&scli ent=gws-wiz&sei=K2TWaLflLtLgseMPvevWOA

Captcha cant be automated. Present for security reasons.

```
20
           for(WebElement e : suggList) {
27
               String text = e.getText();
28
               System.out.println(text);
29
                    if(text.contains("python")) {
30
31
                        e.click();
32
                        break;
                    }
33
34
```