Manipulating the elements

Test automation basics with Selenium & Java

WebElement methods:
- click()
- sendKeys("some string") *or* sendKeys(Keys.RETURN)
- getText()
- getAttribute("value")

```java
WebDriver driver  = new ChromeDriver();

driver.navigate().to("https://www.google.com");

WebElement searchField = driver.findElement(By.name("q"));

//put 'selenium java' text to text field

searchField.sendKeys("selenium java");

WebElement searchButton = driver.findElement(By.name("btnK"));

//press on search button – IT DOESN'T WORKS! (Why?)

searchButton.click();

driver.quit();
```
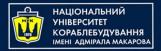
```java
WebDriver driver  = new ChromeDriver();

driver.navigate().to("https://www.google.com");


System.out.println(driver.getTitle());

WebElement searchField = driver.findElement(By. id("lst-ib"));

 //put 'selenium java' text to text field

searchField.sendKeys("selenium java");


 //press ENTER

searchField.sendKeys(Keys.RETURN);

driver.quit();
```

WebElement methods

```
<input name="sampleName" value="qwerty">Hello
world!</input>


driver.findElement(By.name("sampleName"))
        .getAttribute("value");

driver.findElement(By.name("sampleName"))
        .getText();
```

```java
WebDriver driver  = new ChromeDriver();

driver.navigate().to("https://www.google.com");

WebElement gmailLink = driver.findElement(By.xpath("//a[@class='gb_d']"));

System.out.println("href attribute contains value: " +
                   gmailLink.getAttribute("href"));

System.out.println("element contains text: " +
                   gmailLink.getText());

driver.quit();
```

Exercise

Search with Enter key

Automate steps

1) Open google.com
2) Find search input field
3) Clear input field
4) Put some text to the field
5) Press Enter / Return key
6) Print in console number of results of google search
7) Print in console how many time took the search