```
package com.formation;
import java.nio.file.Path;
 import java.nio.file.Paths;
 import org.openqa.selenium.By;
 import org.openqa.selenium.WebDriver;
 import org.openqa.selenium.WebElement;
 import org.openqa.selenium.chrome.ChromeDriver;
 public class Overview_1 {
      public static void main(String[] args) throws InterruptedException {
          // Indiquer le chemein vers le driver chrome
          String chromeDriverPath = "D:\\space\\selenium\\chromedriver.exe";
          System.setProperty("webdriver.chrome.driver", chromeDriverPath);
          gettingStaleElementReferenceException();
      }
      private static void gettingStaleElementReferenceException() throws InterruptedException {
          WebDriver driver = new ChromeDriver();
          try {
              Path sampleFile = Paths.get("pages/activity-1.html");
              driver.get(sampleFile.toUri().toString());
              WebElement spanish = driver.findElement(By.id("spanish"));
              spanish.click();
              WebElement email = driver.findElement(By.id("inputEmail"));
              email.sendKeys("email@gmail.com");
              Thread.sleep(5000);
              // We use getAttribute("value") because it is an input element, not a text box
              if (email.getAttribute("value").equalsIgnoreCase("email@gmail.com")) {
    System.out.println("=> 'email@gmail.com' tapé.");
              } else {
                  System.out.println("Mauvais script.");
          } finally {
              driver.quit();
      }
 }
```

```
package com.formation;
import java.nio.file.Path;
 import java.nio.file.Paths;
 import org.openqa.selenium.By;
import org.openqa.selenium.StaleElementReferenceException;
import org.openqa.selenium.WebDriver;
 import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
 public class Overview_2 {
      public static void main(String[] args) throws InterruptedException {
             // Indiquer le shemein yers le driver shrome
            String chromeDriverPath = "0:\\space\\selenium\\chromedriver.exe";
System.setProperty("webdriver.chrome.driver", chromeDriverPath);
             avaidingStaleElementReferenceException();
      private static void avoidingStaleElementReferenceException() throws InterruptedException {
             WebDriver driver - new ChromeDriver();
            try {
   Path sampleFile = Paths.get("pages/activity-1.html");
   driver.get(sampleFile.toUri().toString());
                  WebElement email = driver.findElement(By.id("inputEmail"));
WebElement spanish = driver.findElement(By.id("spanish"));
                  spanish.click();
                  int tries = 0;
while (tries < 2) {
                        try {
    enail.sendKeys("enail@gmail.com");
                              Thread.sLeep(2000);
                              // We use getAttribute("value") because it is an input element, not a text box
if (email.getAttribute("value").equalsIgnoreCase("email@gmail.com")) {
    System.out.println("-> 'email@gmail.com' tape.");
}
                              } else {
                                    System.out.println("Wrong script.");
                        } catch (StaleElementReferenceException e) {
    email = driver.findElement(By.id("inputEmail"));
}
                        tries++:
            } finally {
    driver.quit();
            }
```

```
import org.openga.selenium.By;
 import org.openqa.selenium.WebOriver;
 import org.openqa.selenium.WebElement;
 import org.openga.selenium.chrome.ChromeDriver;
 import org.openqa.selenium.support.ui.Select;
  import java.nio.file.Path;
 import java.nio.file.Paths;
import java.util.List;
 public class FindElement_3 {
       public static void main(String[] args) {
            // Jadiauss la shameia xers la driver shome
String chromeDriverPath = "D:\\space\\selenium\\chromedriver.exe";
System.setProperty("webdriver.chrome.driver", chromeDriverPath);
            LocatingElements();
       private static void locatingElements() {
            WebDriver driver - new ChromeDriver();
                  Path sampleFile = Paths.get("pages/activity-2.html");
driver.get(sampleFile.toUri().toString());
                  // Using id
                 WebElement lastName = driver.findElement(By.id("lastName"));
if (lastName.isDisplayed()) {
   System.out.println("lastName is visible");
                  } else {
                       System.out.println("Wrong script 1");
                  // Using name
WebElement hobbies = driver.findElement(By.name("hobbies"));
                  if (hobbies.isDisplayed()) {
   System.out.println("hobbies is visible");
                  } else {
                       System.out.println("Wrong script 2");
                  // Using class name (in this case, coincidentally the first name is the first
                  // element of this kind
WebElement firstName = driver.findElement(By.className("form-control"));
                  if (firstName.isDisplayed()) {
   System.out.println("hobbies is visible");
                  } else {
                       System.out.println("Wrong script 3");
                  // Using HTML tag
                  ListGkebElement> div = driver.findElements(By.tagName("div"));
if (div.size() > 0) {
                       System.out.println("more than zero divs on the page");
                  } else {
                       System.out.println("Wrong script 4");
                  // Using link
WebElement spanishLink = driver.findElement(By.LinkText("Spanish"));
                  String link = spanishLink.getAttribute("href");
if (!".equals(link)) {
   System.out.println("the link was found");
                  } else {
                       System.out.println("Wrong script 5");
                  }
                  // Using xpath (try to avoid it as much as possible, CSS is a better option) Select dayOfBirth - new Select(driver.findElement(By.xpath("//select")));
                  if (dayOfBirth.getOptions().size() > 0) {
    System.out.println("the element was found");
                  } else {
                       System.out.println("Wrong script 6");
                  WebElement firstNameWithCss = driver.findElement(By.cssSelector("#firstName"));
if (firstNameWithCss.isDisplayed()) {
    System.out.println("firstName with CSS element is visible");
                  } else {
                       System.out.println("Wrong script 7");
            } finally {
                driver.quit();
      }
 }
```