```java
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;

public class AgeCalculatorPage {
    //WebElements
    private WebElement dayOfBirth = null;
    private WebElement monthOfBirth = null;
    private WebElement yearOfBirth = null;
    private WebElement age = null;
    private WebElement zodiacSign = null;
    private WebElement calculate = null;

    ///WebDriver
    private WebDriver driver;
        Path sampleFile = Paths.get("pages/exercise_6_1.html");

    private String url = sampleFile.toUri().toString();

    //Class Constructor
    public AgeCalculatorPage(WebDriver webDriver) {
        driver = webDriver;
    }

    //Methods to open and close the WebDriver
    public void open() {
        this.driver.get(url);
    }
    public void close() {
        this.driver.quit();
    }

    //Method to execute the test
    public void calculate(String day, String month, String year) {
        getDayOfBirth().sendKeys(day);
        getMonthOfBirth().sendKeys(month);
        getYearOfBirth().sendKeys(year);
        getCalculate().click();
    }

    //Methods to read values from required WebElements
    public String getAge() {
        age = driver.findElement(By.id("age"));
        return age.getText();
    }

    public String getZodiacSign() {
        zodiacSign = driver.findElement(By.id("zodiacSign"));
        return zodiacSign.getText();
    }
```

```
56
57      public WebElement getDayOfBirth() {
58          dayOfBirth = driver.findElement(By.id("dayOfBirth"));
59          return dayOfBirth;
60      }
61
62      public WebElement getMonthOfBirth() {
63          monthOfBirth = driver.findElement(By.id("monthOfBirth"));
64          return monthOfBirth;
65      }
66
67      public WebElement getYearOfBirth() {
68          yearOfBirth = driver.findElement(By.id("yearOfBirth"));
69          return yearOfBirth;
70      }
71
72      public WebElement getCalculate() {
73          calculate = driver.findElement(By.id("calculate"));
74          return calculate;
75      }
76  }
```

Création de la classe Java AgeCalculatorScript

Créez une classe **AgeCalculatorScript** dans le package **com.formation**

```
1  package com.formation.script;
2
3
4  import org.openqa.selenium.WebDriver;
5  import org.openqa.selenium.chrome.ChromeDriver;
6
7  import com.formation.AgeCalculatorPage;
8
9  public class AgeCalculatorScript {
10
11     public static void main(String[] args) throws Exception {
12         checkAgeCalculator();
13     }
```

```
14
15      private static void checkAgeCalculator() throws Exception {
16          WebDriver driver = new ChromeDriver();
17          // Create an instance of AgeCalculatorPage class and open it
18          AgeCalculatorPage ageCalculatorPage = new AgeCalculatorPage(driver);
19          ageCalculatorPage.open();
20
21          // Start the test by means of the calculate method
22          ageCalculatorPage.calculate("11", "February", "1982");
23
24          // Verify results
25          if (ageCalculatorPage.getAge().equals("36")) {
26              System.out.println("Age was calculated correctly!");
27          } else {
28              System.out.println("There was an error in the age calculation");
29          }
30
31          if (ageCalculatorPage.getZodiacSign().equals("Aquarius")) {
32              System.out.println("Zodiac sign was calculated correctly!");
33          } else {
34              System.out.println("There was an error in the zodiac sign calculation");
35          }
36
37          ageCalculatorPage.close();
38      }
39  }
```

Nous obtenons la sortie suivante dans la console

```
1 There was an error in the age calculation
2 Zodiac sign was calculated correctly!
```