**Document on setup and running the script:**

I have written the assignment in **two ways**:

1. **Straightforward Test Case in Java using Selenium**:

* Contains the Selenium code in a single class, written as a simple Java program.
* This approach is suitable for quick execution and understanding.

1. **TestNG with Page Object Model (POM)**:

* Implements a structured framework using TestNG and the POM design pattern.
* Separates test logic, page objects, and setup methods into distinct packages for scalability and maintainability.

**Setup Instructions**

1. **Install Required Tools:**

* Install **Eclipse IDE**.
* Install **Java Development Kit (JDK)** (ensure Java is added to your system's PATH).
* Download the appropriate **ChromeDriver** for your Chrome version.

1. **Create a Maven Project:**

* Open Eclipse and create a new Maven project.
* Add the necessary dependencies in the pom.xml file:

<dependencies>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.24.0</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.10.1</version>

<scope>test</scope>

</dependency>

</dependencies>

1. **Create Packages and Classes:**

* Under src/test/java, create the following packages and classes:

**Straightforward Approach**:

* Create a package: fitPeoAssignment.
* Create a class inside the package: Assignment.
* This class contains the Selenium code to execute the test case.
* Run the script as a **Java application**.

**Page Object Model with TestNG**:

* Create the following packages:
  + - pages: Contains classes for page object models.
      * **Classes**:
        + HomePage: Contains locators and methods for interacting with the homepage.
        + RevenueCalculatorPage: Contains locators and methods for the revenue calculator page.
    - testBase: Contains reusable setup and teardown logic.
      * **Class**:
        + BaseClass: Manages WebDriver initialization and cleanup.
    - testCases: Contains the TestNG test case logic.
      * **Class**:
        + FitPeo: Implements TestNG annotations for test execution.

**Running the Script**

**Straightforward Test Case**

1. Open the Assignment class in the fitPeoAssignment package.
2. Execute the class:
   * Right-click the class file → **Run As → Java Application**.

**TestNG with Page Object Model**

1. Open the testCases.FitPeo class.
2. Run using TestNG:
   * Right-click the class file → **Run As → TestNG Test**.