

Link for eclipse :- <https://www.eclipse.org/downloads/packages/release>

Install higher version of eclipse

1. Select the version
 - a. For 32 bit :- 2018-09 version
 - b. For 64 bit :- 2018-12 or higher version
2. Select R package
3. Select second option Eclipse IDE for Java Developer
4. Download the eclipse
5. Install the eclipse

Note :- Do not delete the older version of eclipse, no need to uninstall older

1. Open the new version
2. Click on File -> New -> Project -> Maven Project -> Next -> Select checkbox of create simple project -> Next
3. Enter group id and artifact id
4. Click on finish

1. Expand the newly created project
2. Double click on pom.xml file
3. Create new tab dependencies

1. Open google
2. Search maven dependency
3. Click on first url :- <https://mvnrepository.com>
4. Enter selenium in search bar
5. Click on search
6. Click on first link selenium java
7. Select the version 4.0.0
8. Copy the dependency
9. Paste in pom.xml file
10. Save the project

Perform above steps for testng and apache poi (it have 6 dependencies)

1. Click on help -> eclipse market place
2. Enter testng in search bar
3. Press enter button of keyboard
4. Look for testng for eclipse
5. Click on install
6. And perform the further step to install

Framework Building

1. Create Base, Pages package in src/main/java
2. Create TestCases package in src/test/java
3. Create (LoginPageTest) class in TestCases package
4. Add test case for open the application
5. Create LoginPage class in Pages package
6. Try to identify the elements in LoginPage
7. Initialize the web elements by PageFactory
8. Create method to verify the web page title

1. Create object of LoginPage class in LoginPageTest class
2. Import the LoginPage class
3. Call the method from LoginPage

1. Create a TestBase class in Base package

Note :- As we need to use a single copy of driver so we declare driver in TestBase class and declare it as public and static

2. As we need to use the same code again for every test case so we create a global method in TestBase class as initialization()
3. And open the browser code and opening url code is shifted to initialization()