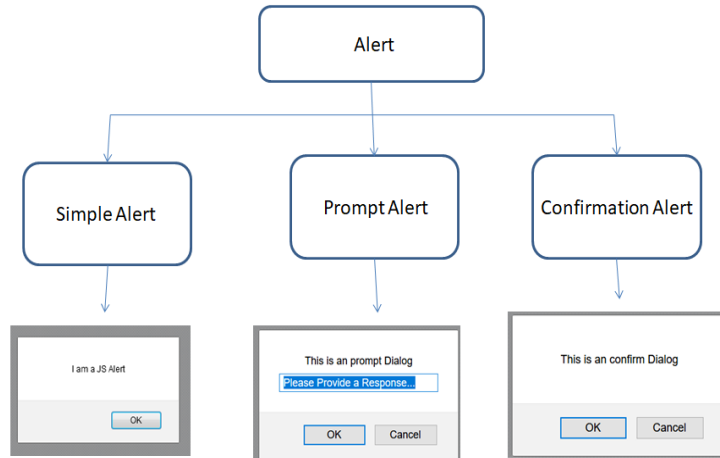
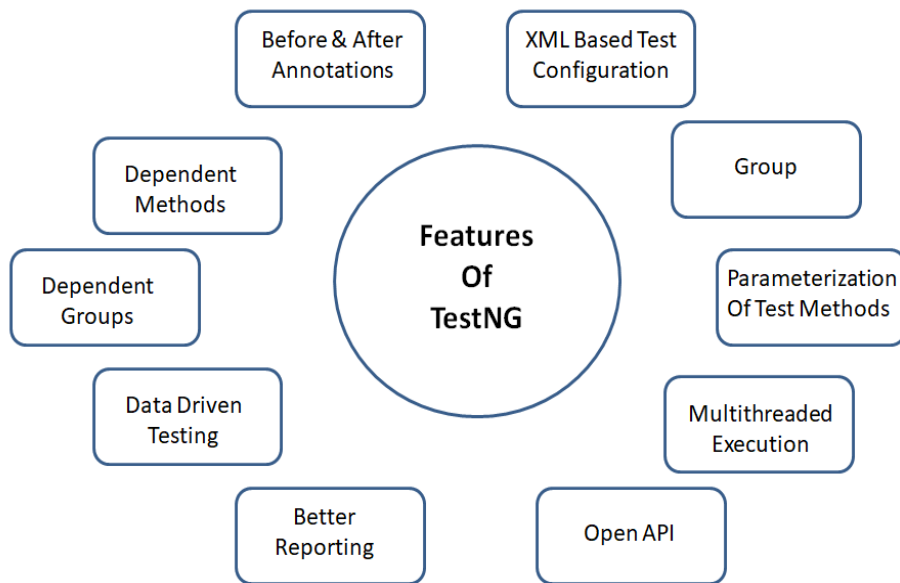


ALERTS & ITS TYPES

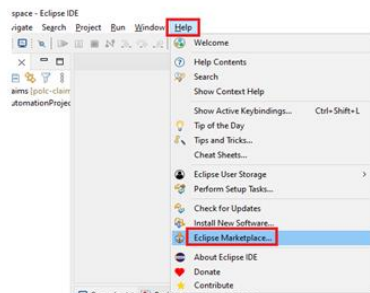


- Mouse and keyboard actions
 - I. **Action class** in Selenium is a built-in feature provided by the Selenium for handling **keyboard and mouse events**.
 - II. **Types of mouse actions can be performed:**
 - Right Click
 - Double Click
 - Click and Hold
 - Drag and Drop
 - Mouse Hover
 - III. **Types of keyboard actions can be performed:**
 - Key Press
 - Send Keys
 - Release Keys
- TESTNG
 - i. **TestNG** is an automation framework in which '**NG**' stands for '**Next Generation**'
 - ii. We use TestNG to design Test cases in systematic way.
 - iii. TestNG is an open-source test automation framework for Java

FEATURES OF TESTNG

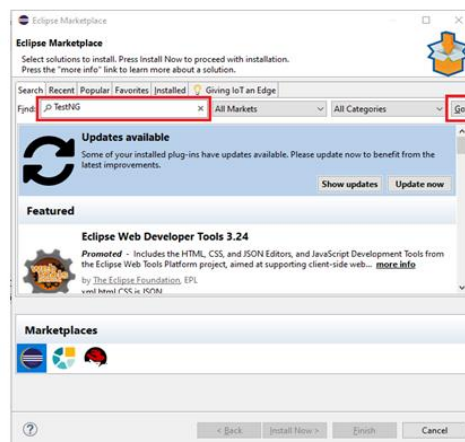


Install TestNG in Eclipse



2. In Find, enter **TestNG** and click on Go

1. Click on **Help -> Eclipse Marketplace**

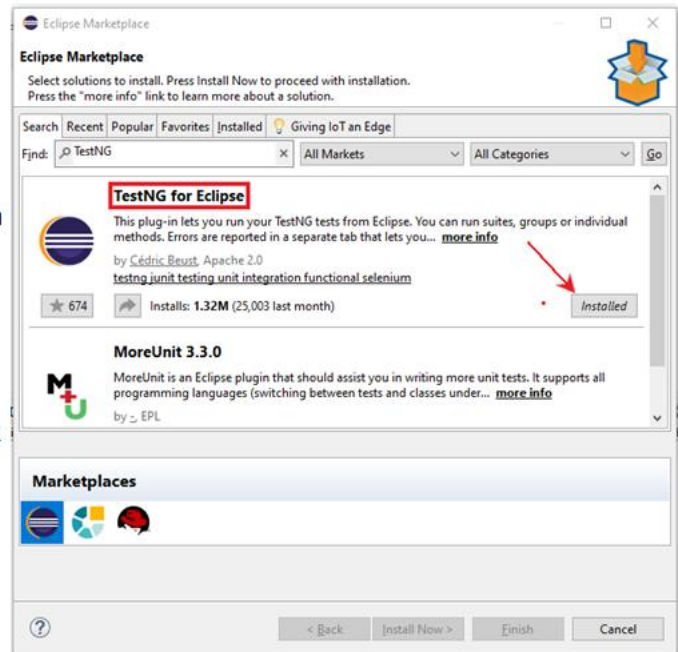


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3. Look for **TestNG for Eclipse** and then click on **Install**

4. Then proceed with the installation process and after the installation click on **Restart Now**.

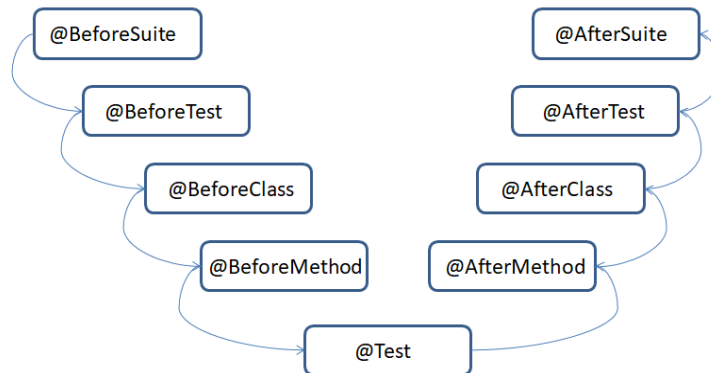
5. To confirm TestNG installed, click **Window -> Show View -> Other** and then check whether TestNG is there inside **Java folder** from a pop-up window.



• ANNOTATIONS

- @Test
- @BeforeSuite
- @AfterSuite
- @BeforeTest
- @AfterTest
- @BeforeClass
- @AfterClass
- @BeforeMethod
- @AfterMethod
- @BeforeGroups
- @AfterGroups
- @Parameters
- @DataProvider
- @Factory
- @Listeners

EXECUTION SEQUENCE OF ANNOTATIONS



- **Annotation Attributes**

- description
- timeout
- priority
- dependsOnMethods
- enabled
- Groups

- **Assertions**

- Assertions in TestNG are a way to verify that the expected result and the actual result matched or not.
- Syntax for TestNG Assertions:
- ***Assert.Method(actual, expected)***
- There are two types of TestNG Asserts:
- Hard Assert
- Soft Assert

- **What is maven?**

- Maven is build tool provided by apache software which is open source tool
- If you are using normal project then we need to download all above libraries from different websites. For this we need to go to each and every website and attach to your project which is manual process.
- Build tool means whenever you are creating maven project which will provide you pom.xml file.
- This is a main file which will have in maven project. Whole maven project is controlled by pom.xml file.

- **Advantages of maven project**

- Whenever you create maven project by default which will give you project structure Provide you pom.xml file in which we can add dependencies and plugins
 - When you have dependencies in pom.xml then automatically you will download all third party libraries into your project.
- In POM.xml file we have
 - dependencies—responsible for downloading third party libraries/jar files and drivers which are related to your maven project
 - Plugins—which contain different configurations on which our project run