Installation of eclipse software

Procedure :-

step 1 :- Go to official eclipse download page.

step 2 :- choose the eclipse ide for Java developers packages.

step 3 :- Download the Installer for your operating system. Run the Installer.

step 4 :- Execute the download Installer.

step 5 :- Follow the on-screen instruction to set up the eclipse.

step 6 :- Select IDE package.

step 7 :- During Installation, choose the package that Includes features for java development.

step 8 :- Specify the Installation direction and any other configuration settings as needed.

step 9 :- Install eclipse.

step 10 :- Allow the Installer to download and Install eclipse based on your selected configuration.

step 11 :-
launch eclipse.

step 12 :- once the Installation is complete, launch eclipse.

step 13 :- set workspace.

14 → choose a workspace where your project will be stored.

step 15 :- Install plugging for testing.

step 16 :- Install relevent plugins.

step 17 :- create a new project or Import existing projects into eclipse.

Procedure :-

step 1 :- writing test cases.

create test classes containing methods annotated with @ Test.

Defines assertions within these methods, to verify expected behaviour.

step 2 :- Compile your code and test. R

Run Test :

Execute test using a Junit runner such as J unit core or an IDE's build-in test runner.

Junit discoveres and runs all methods annotated with @ Test.

step 3 :- setup and teardown

utilize @ Before and @ After. annotations for setup and teardown tasks. @ After method run after each test.

step 4 :- Assertions

use various assertions methods provided by Junit (eg : assert equals). to validate expected outcomes

step 5 :- Annotations

Leverage annotations like @ Ignore to skip specific tasks & tests and @ Run with for custom test runners.

step 6 :- Test Suites

Group related test cases into test suite using @ Run with (suite.class).

step 7 :- Parameterized Test.

step 8 :- Reporting.

Junit reports Tests, indicating Passed or failed Tests.