

JUnit Execution Procedure

1. Write your Tests: First, you need to write your JUnit Tests. These are typically Java classes that contain methods annotated with '@Test', which indicates that they are test methods.
2. Compile your Tests: Compile your test classes along with the classes they are testing. This can be done using a build tool such as manually with 'Javac'.
3. Run your Tests:
4. Setup Eclipse Environment
Ensure you have Eclipse IDE installed and your project is open.
5. Navigate to test Class:
Locate the test class you want to run in the Eclipse Package Explorer or Project Explorer.
6. Run the Test class
 - Right click on the test class file
 - From the context menu, select RUN AS "JUnit Test". Alternatively, you can use the shortcut `Ctrl + F11`.Eclipse will show you execute the test class and display the test results in JUnit view.

7. View the Test results:

Eclipse provides a JUnit view where you can see the results.

The JUnit view will show you which tests passed, which failed, and error that occurred during test execution.

8. Debugging: If any tests fail, you can debug them directly in Eclipse.

- Right click on the failed test in the JUnit view.

- Select Debug As > "JUnit Test". This will start the debugger and pause execution at the point of failure.

9. Rerun Tests: After making changes to your code, you can rerun the tests by right-clicking on the test class file and selecting "Run As" > "JUnit Test again". Eclipse will re-execute the tests and display the updated results.