**Unit testing** is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. **Unit testing** is often automated but it can also be done manually.

There are many methods/tools by which we can do unit testings. Some of them are given below:

1. Junit-JUnit is a unit testing framework and it has been important in the development of test-driven development
2. Selenium- Selenium is a portable software testing framework for web applications. Seleniumprovides a record/playback tool for authoring tests without learning a test scripting language (Selenium IDE)
3. TestNG- TestNG covers a wider range of test categories: unit, functional, end-to-end, integration
4. The Grinder- The framework allows the creation of test double objects (mock objects) in automated unit tests.

Integrationtesting is the phase in software testing in which individual software modules are combined and tested as a group. It occurs after unit testing and before validation testing.

There are many methods/tools by which we can do integration testings. Some of them are given below:

1. Jenkins
2. Buildbot
3. Travis CI
4. Strider
5. Go