

Last session : Code Coverage using Jacocco

-> Code coverage is the process of identifying which lines of code is executed & not executed as part of unit testing.

-> To identify code coverage we will use jacocco plugin.

-> Jacocco plugin will execute after maven test goal

-> Jacocco plugin will generate a report in html format

-> If any class doesn't contain business logic then no need to perform unit testing for that class. Such kind of classes can be excluded in jacocco using <exclude> option.

Today's session : Performance Testing

-> Software testing is the process of verifying and validating application functionality with client requirements.

-> For software application testing will happen in several ways

- a) Unit testing
- b) Integration testing
- c) Functional testing
- d) Regression testing
- e) Performance testing

-> Testing unit amount of work is called as Unit testing

-> When all the developers code is integrated in repository to make sure all the functionalities are working as expected we will perform Integration Testing.

-> As per client requirements, software testing team will prepare test cases to test our application. The process of testing our application with test cases is called as Functional Testing.

-> The process of testing around and surround functionalities for the changes added is called as Regression Testing. Regression testing is used for impact analysis.

-> Performance Testing is used to identify application response time and application stability

-> We can't do performance testing manually. We will use some tool to implement performance testing for our applications.

- 1) Apache JMeter (open source)
- 2) HP Load Runner (Commercial)