Code Coverage:

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It is a report which will tell how many lines of code has been tested and how many lines of code is not tested.

For these we use plugins like JACOCO plugins

These plugin will run your unit test cases over the given java code and generate code coverage report

The report represent

% of code tested

% of code not tested

We will use jenkins to generate code coverage report

* In jenkins we will download JACOCO plugin
* We will scan a github repo
* The github repo has source code and junit test cases
* We will use a Freestyle project job in jenkins that will package the code and then generate jacoco code coverage report

Demo:

Start jenkins on your laptop

<http://localhost:8080>

Go to ManageJenkins → plugins→ go to available plugin -> search for JACOCO -> Install it

Create a new job -> give name -> select freestyleporoject-press ok

Under source code management -> GIT -> give this URL https://github.com/Sonal0409/calcwebapp-sonar.git

Go to Build Steps → select Invoke top level maven targets → select maven version as mymavne -> goal as package

Go to Post build actions → select **Record JaCoCo coverage report**

**Save the job and execute**