

Experiment no: 7

Patil (08)

Aim: To setup and Run Selenium tests in Jenkins using Maven.

pre-requisites: 1) Ensure Jenkins installed.

& Running

2) Have your application source code hosted in a version control system like git.

Theory:

Running selenium tests in Jenkins allow you to run your tests every time your software changes & deploy the software a new environment when tests plan pass. Jenkins can schedule your tests to run at specific time.

You have save the execution history & test reports.

Jenkins supports Maven for building & testing a project in continuous integration. Maven is a powerful project / build management tool based on concept of POM that includes project information & configuration information for maven such as construction directory, source directory, dependency, test source directory, goals - plugins etc.

selenium webdrivers is great for browser automation, But ^{when} ~~with~~ Browser automation using it for testing & building

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a test framework like dev, test & Jenkins
 Jenkins & Maven work seamlessly together through plugins & configurations
 Jenkins provide the necessary integration for Maven allowing to specify Maven goals & configure project specific settings & control how the build process is executed.

Go to node & then slide 2

1) click prof

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2) In pre-

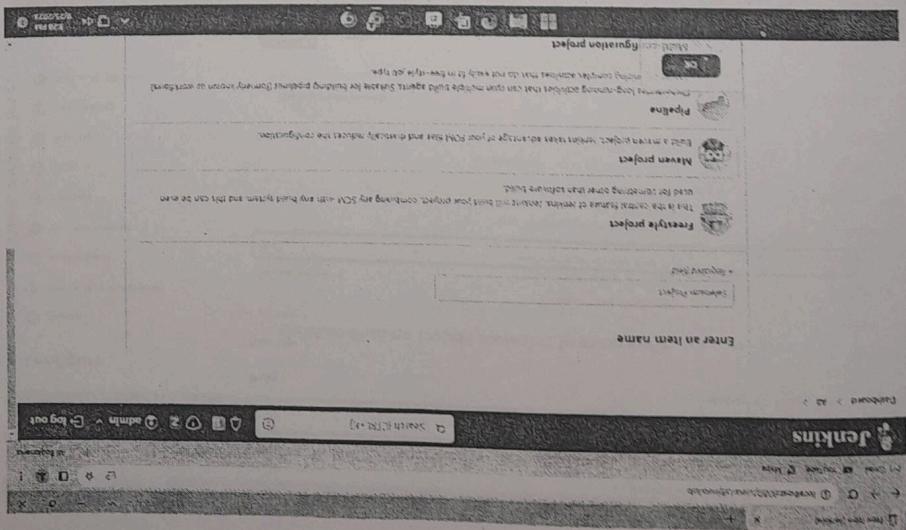
Configure
 General
 Source Code Management
 Build Triggers
 Build Environment
 Post Steps
 Build
 Post Steps
 Build Settings
 Post Build Action

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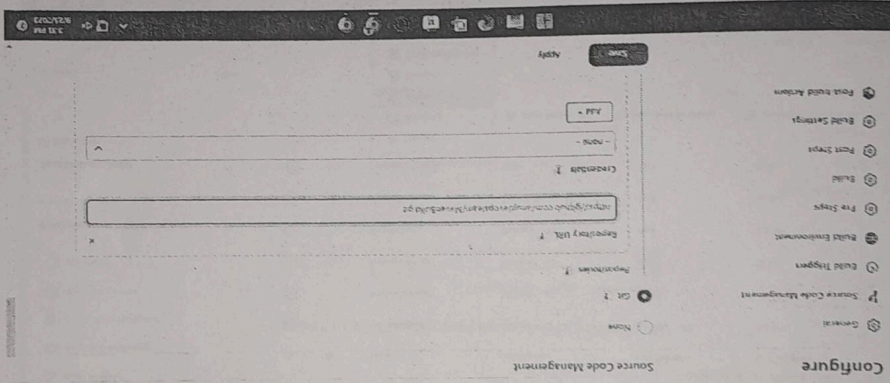
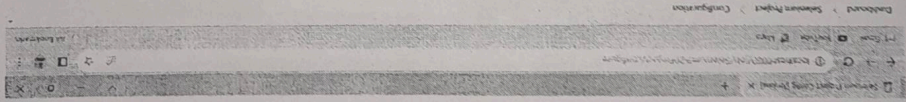
Dashboard - Jenkins Project - Configure
 General
 Source Code Management
 Build Triggers
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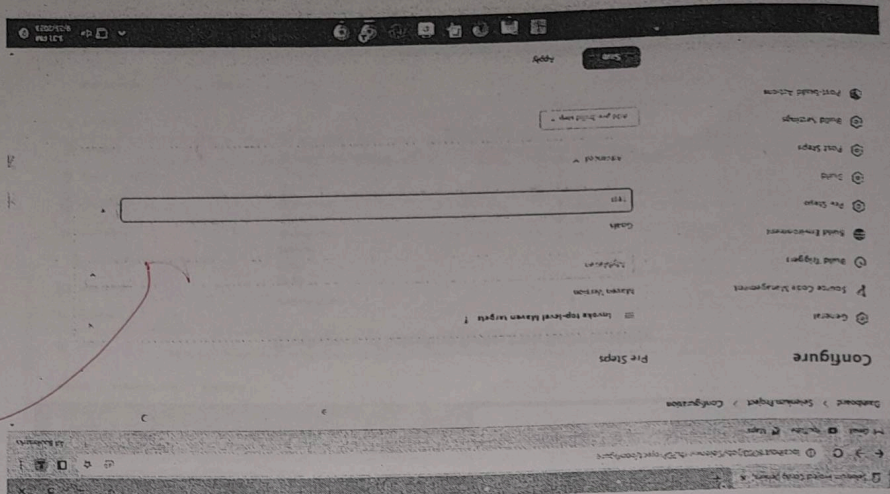
1) click on new item and name it solution project



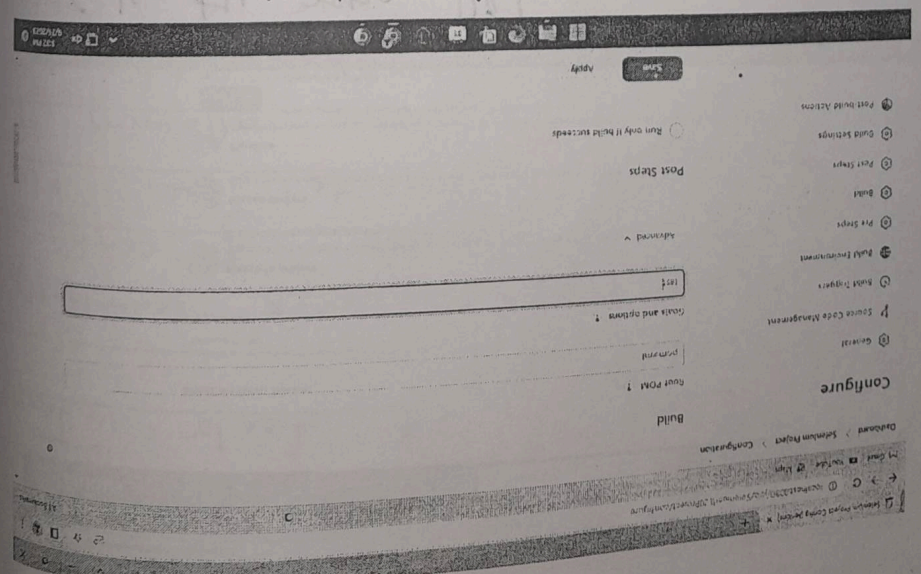
2) enter the name of the project



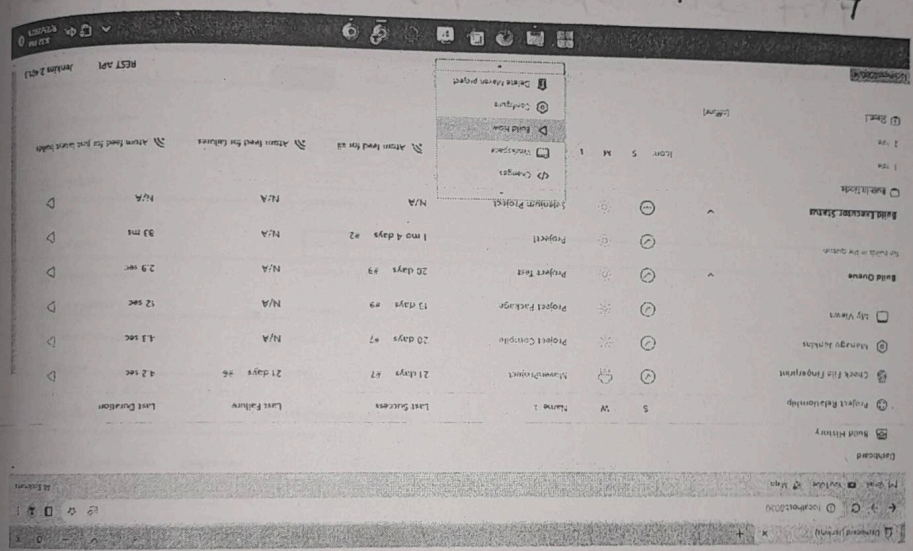
3) In post-steps set goals as test



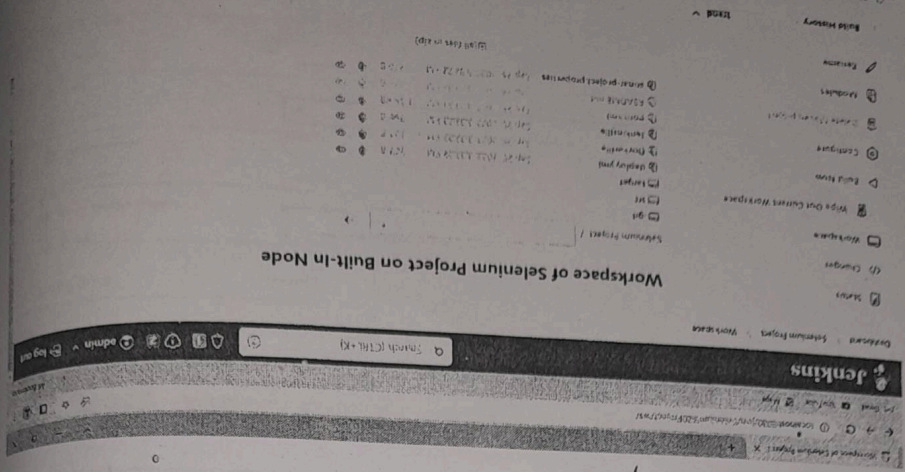
7) In root pom set goals 4 options



Steps: Build the selenium project



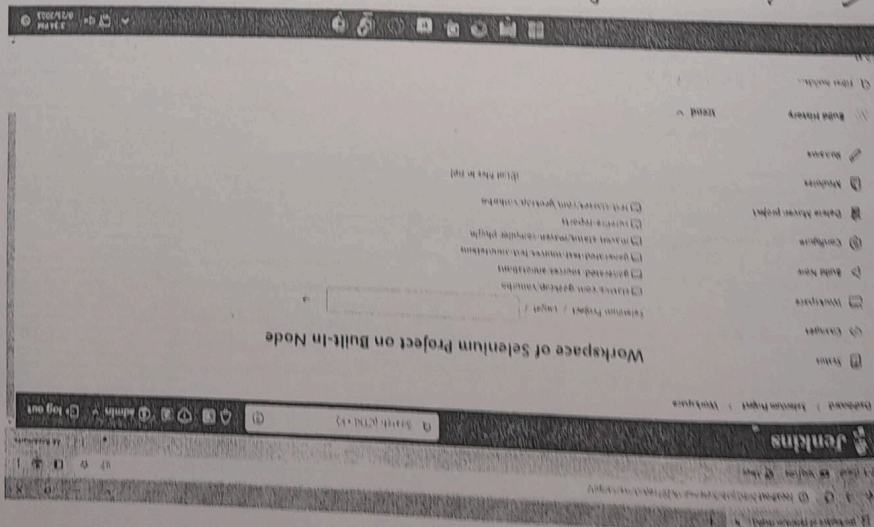
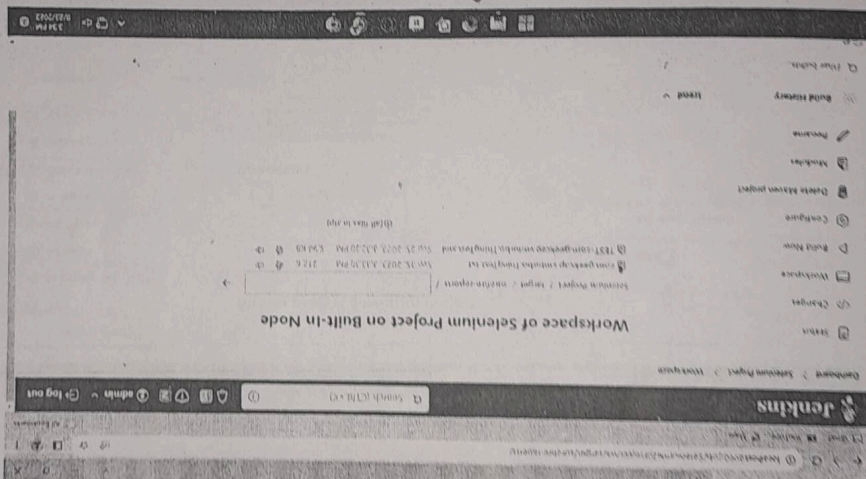
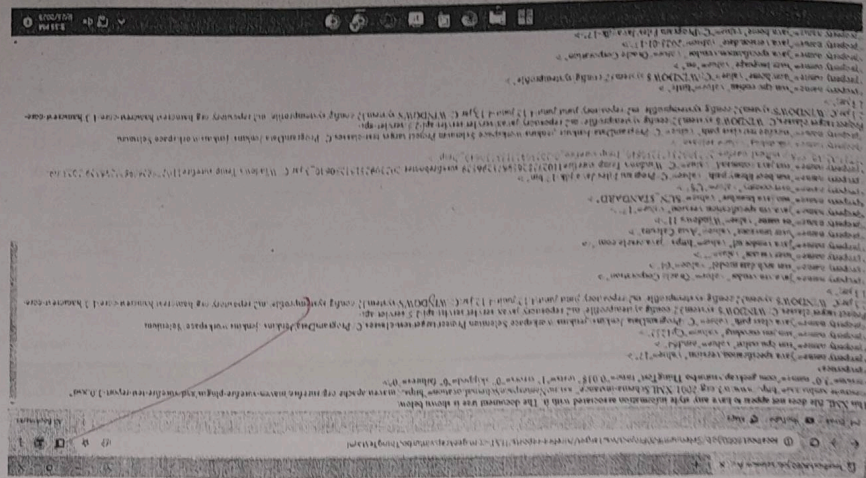
6) go to workspace



Workspace of Selenium Project on Built-In Node

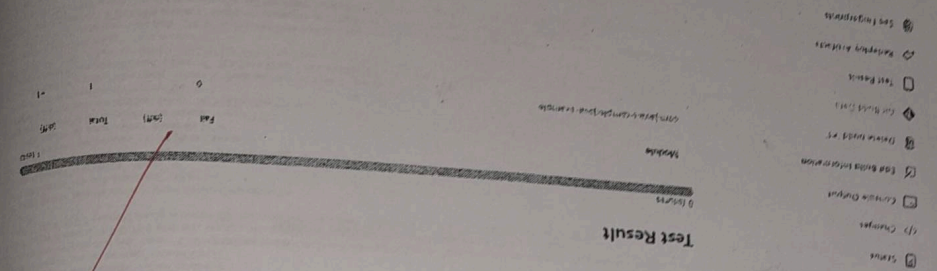
8) open

9) open



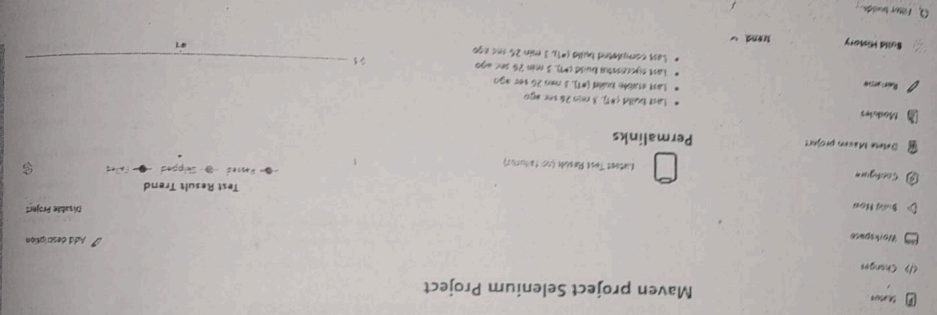
2) 5. to target

Conclusion: Here we have in Jenkins using maven test



Click on the test result

1) open the selenium project



2) open the selenium project

3) open the selenium project

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CLASS: TE
DEVELOP.