Add maven plugin –

<**plugin**>  
 <**groupId**>org.evosuite.plugins</**groupId**>  
 <**artifactId**>evosuite-maven-plugin</**artifactId**>  
 <**version**>1.0.6</**version**>  
</**plugin**>

To generate test case

mvn evosuite:generate -Dcores=4 -DmemoryInMB=3072 -Dcriterion=LINE:BRANCH

Test cases are generated in .evosuite folder

To verify the coverage and report

mvn evosuite:info

If okay with result – copy the test cases in src/test/java folder

mvn evosuite:export

To keep Evosuite generated test classes in separated folder than the manually generated test case

Add below plugin configuration to copy all the generated test in evosuite folder

<**plugin**>  
 <**groupId**>org.codehaus.mojo</**groupId**>  
 <**artifactId**>build-helper-maven-plugin</**artifactId**>  
 <**version**>1.8</**version**>  
 <**executions**>  
 <**execution**>  
 <**id**>add-test-source</**id**>  
 <**phase**>generate-test-sources</**phase**>  
 <**goals**>  
 <**goal**>add-test-source</**goal**>  
 </**goals**>  
 <**configuration**>  
 <**sources**>  
 <**source**>src/test/evosuite</**source**>  
 </**sources**>  
 </**configuration**>  
 </**execution**>  
 </**executions**>  
</**plugin**>

To run test add following dependencies

<**dependency**>  
 <**groupId**>org.evosuite</**groupId**>  
 <**artifactId**>evosuite-standalone-runtime</**artifactId**>  
 <**version**>1.0.6</**version**>  
 <**scope**>test</**scope**>  
</**dependency**>

To run Evosuite generated tests together with manually written test add following

<**plugin**>  
 <**groupId**>org.apache.maven.plugins</**groupId**>  
 <**artifactId**>maven-surefire-plugin</**artifactId**>  
 <**version**>2.17</**version**>  
 <**configuration**>  
 <**properties**>  
 <**property**>  
 <**name**>listener</**name**>  
 <**value**>org.evosuite.runtime.InitializingListener</**value**>  
 </**property**>  
 </**properties**>  
 </**configuration**>  
</**plugin**>

To report coverage –

Cobertura agent –