

Unit Testing

Adding the Unit tests

```
pwd
ls -l
cd src/
ll
cd test/
pwd
ls -l
cd java/
pwd
mkdir -p training/maven/quick
cd training/maven/quick/
mate ApplicationTest.java
cd ~/projects/words/
clear
```

Unit Test Dependency

```
mvn clean install
mate pom.xml
clear
mvn clean install
cd target/
ls -l
cd surefire-reports/
ls -l
cat training.maven.quick.ApplicationTest.txt
cd ../../../../
cd words/
clear
```

Failing Unit Tests

```
mate src/test/java/training/maven/quick/ApplicationTest.java
mvn clean test
```

Skipping Unit Test via Command Line

```
mvn test
mvn clean install -Dmaven.test.skip=true
clear
```

Skipping Unit Tests via Configuration

```
mate pom.xml
mvn clean install
mate pom.xml
mvn clean install
mate src/test/java/training/maven/quick/ApplicationTest.java
clear
mvn clean install
clear
```

Reporting Unit Test Results

```
cd target/  
ll  
cd surefire-reports  
ls -l  
cat training.maven.quick.ApplicationTest.txt  
cat TEST-training.maven.quick.ApplicationTest.xml  
cd ..  
cd ..  
mate pom.xml  
mvn site  
cd target/  
ls  
cd site/  
ls  
clear
```

Unit Testing Clean Up

```
git status  
mvn clean  
git status  
git add -A  
git status  
git commit -m "Adding Unit tests"
```