

All you need to know for Maven.
This is all for command line!

```
//Go to the right directory
> mvn archetype:generate \
> -DgroupId=com.<business>.app \
> -DartifactId=<app name> \
> -DarchetypeArtifactId=maven-archetype-quickstart \
> -DinteractiveMode=false
```

```
// Return few times
```

```
// Go into directory
> cd <app name>/
```

```
// The maven project/java project is made.
```

```
// Build the project -> to test the java program or even execute it
> mvn package
```

```
// Run java program
// Be sure you are in the right directory
```

```
> java -cp target/<app name>; version> -SNAPSHOT.jar <DgroupId>.app
```

Running maven tools -> the lifecycle phases

- validate -> validate the project is correct and all necessary information is available.
- compile -> compile the source code of the project.
- test -> test the compiled source code using a suitable unit testing framework. These tests should not require the code be packaged or deployed.
- package -> take the compiled code and package it in a jar file, for example.
- integration-test -> process and deploy the package if the necessary into an environment where the integration test can be run
- verify -> run any checks to verify the package is valid and meets quality criteria.
- install -> install the package in a local repository
- clean -> cleans up artifacts created by prior builds
- site -> generates site documentation for this project