



# Project with Maven

# Pendahuluan

- Aplikasi besar perlu manajemen lebih baik
  - Version control
  - **Build tool**
  - Automated testing
  - Continuous integration
- Build tool tidak cukup hanya compile
  - Dependency management
  - Test
  - Package

# Maven

- Memulai project :

```
mvn archetype:generate
```

```
-DgroupId=lab.aikibo
```

```
-DartifactId=coba
```

```
-DarchetypeArtifactId=maven-archetype-quickstart
```

```
-DinteractiveMode=false
```

- Hasilnya adalah struktur project, konfigurasi ada di pom.xml

# pom.xml

- Isi identifier
- Dependency project

# Struktur folder

```
coba
├── pom.xml
└── src
    ├── main
    │   ├── java
    │   │   └── lab
    │   │       └── aikibo
    │   │           └── App.java
    └── test
        ├── java
        │   └── lab
        │       └── aikibo
        │           └── AppTest.java
9 directories, 3 files
```

# Praktek

- Compile

- > `mvn clean install`

- Running 1 kelas

- > `mvn exec:java -Dexec.mainClass=lab.aikibo.App`