**Coding Challenge for Technical Consultants**

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Solutions documentation.

Validate you Maven Installation by performing the following command:

|  |
| --- |
| %> mvn --version  **Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)**  Maven home: /usr/local/Cellar/maven/3.9.6/libexec  Java version: 17.0.2, vendor: Azul Systems, Inc., runtime: /Library/Java/JavaVirtualMachines/zulu-17.jdk/Contents/Home  Default locale: en\_US, platform encoding: UTF-8  OS name: "mac os x", version: "14.5", arch: "x86\_64", family: "mac" |

Maven is a common package manager and build tool for java development. Maven enables you to generate new projects using **archtype:generate** using the **quickstart** archetype.

|  |
| --- |
| %> mvn archetype:generate -DgroupId=com.camunda.tgp -DartifactId=camunda-challenge -DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4 -DinteractiveMode=false |

|  |
| --- |
| [**INFO**] Scanning for projects...  [**INFO**]  [**INFO**] **------------------<** org.apache.maven:standalone-pom **>-------------------**  [**INFO**] **Building Maven Stub Project (No POM) 1**  [**INFO**] **--------------------------------[ pom ]---------------------------------**  [**INFO**]  [**INFO**] **>>>** archetype:3.1.2:generate **(default-cli) > generate-sources** @ standalone-pom **>>>**  [**INFO**]  [**INFO**] **<<<** archetype:3.1.2:generate **(default-cli) < generate-sources** @ standalone-pom **<<<**  [**INFO**]  [**INFO**]  [**INFO**] **---** archetype:3.1.2:generate **(default-cli)** @ standalone-pom **---**  [**INFO**] Generating project in Batch mode  Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom  Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom (1.6 kB at 7.3 kB/s)  Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar  Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar (7.1 kB at 197 kB/s)  [**INFO**] ----------------------------------------------------------------------------  [**INFO**] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4  [**INFO**] ----------------------------------------------------------------------------  [**INFO**] Parameter: groupId, Value: com.camunda.tgp  [**INFO**] Parameter: artifactId, Value: camunda-challenge  [**INFO**] Parameter: version, Value: 1.0-SNAPSHOT  [**INFO**] Parameter: package, Value: com.camunda.tgp  [**INFO**] Parameter: packageInPathFormat, Value: com/camunda/tgp  [**INFO**] Parameter: package, Value: com.camunda.tgp  [**INFO**] Parameter: groupId, Value: com.camunda.tgp  [**INFO**] Parameter: artifactId, Value: camunda-challenge  [**INFO**] Parameter: version, Value: 1.0-SNAPSHOT  [**INFO**] Project created from Archetype in dir: /Users/thomaspeters/Development/Java/camunda-challenge  [**INFO**] **------------------------------------------------------------------------**  [**INFO**] **BUILD SUCCESS**  [**INFO**] **------------------------------------------------------------------------**  [**INFO**] Total time: 2.888 s  [**INFO**] Finished at: 2024-04-08T16:29:27-04:00  [**INFO**] **------------------------------------------------------------------------** |

Do a simple test to ensure your project can run:

|  |
| --- |
| %>java -cp target/camunda-challenge-1.0-SNAPSHOT.jar com.camunda.tgp.App  Hello World! |

Maven has generated a project, created a pom.xml file, and create two java files. The first java is an App the second the TestApp.