Maven Assignment

Maven Installation

```
C:\Users\Stuti>mvn --v

Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)

Maven home: C:\Program Files\apache-maven-3.6.3\bin\..

Java version: 14.0.2, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-14.0.2

Default locale: en_IN, platform encoding: Cp1252

OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

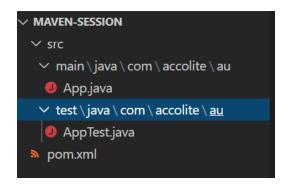
'cmd' is not recognized as an internal or external command,

operable program or batch file.
```

Create simple project using maven:
 mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=maven-session
 -Dpackage=com.accolite.au -Dversion=1.0 -DarchetypeArtifactId=maven-archetype-auickstart -DinteractiveMode=false

```
C:\Users\Stuti>mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=maven-session -Dpackage=com.accolite.au -Dersion=1.0 -DarchetypeArtifactId=maven-archetype-quickstart -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] >>> maven-archetype-plugin:3.2.0:generate (default-cli) > generate-sources @ standalone-pom >>>
 INFO]
       <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-sources @ standalone-pom <<<</pre>
INFO
 INFO
[INFO]
        --- maven-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO]
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO]
[INFO] Parameter: basedir, Value: C:\Users\Stuti
[INFO] Parameter: package, Value: com.accolite.au
[INFO] Parameter: groupId, Value: com.accolite.au
[INFO] Parameter: artifactId, Value: maven-session
[INFO] Parameter: packageName, Value: com.accolite.au
[INFO] Parameter: version, Value: 1.0
 INFO] project created from Old (1.x) Archetype in dir: C:\Users\Stuti\maven-session
 INFO]
       BUILD SUCCESS
[INFO]
[INFO]
        -----
[INFO] Total time: 8.463 s
[INFO] Finished at: 2020-07-29T02:37:27+05:30
```

Directory



pom.xml

```
kproject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
<groupId>com.accolite.au
  <artifactId>maven-session</artifactId>
  <packaging>jar</packaging>
  <version>1.0</version>
  <name>maven-session</name>
  <url>http://maven.apache.org</url>
  cproperties>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
</properties>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

• Mayen install command: mvn install

```
Users\Stuti\AU Maven\maven-session>mvn install
   NFO] Scanning for projects...
             Building maven-session 1.0
                                       -----[ jar ]-----
                                                  ources-plugin:2.6:resources (default-resources) @ maven-session ---
MARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent! INFO] skip non existing resourceDirectory C:\Users\Stuti\AU Maven\maven-session\src\main\resources
                          maven-compiler-plugin:3.1:compile (default-compile) @ maven-session ---
  [NFO] Nothing to compile - all classes are up to date
INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven-session ---
WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
INFO] skip non existing resourceDirectory C:\Users\Stuti\AU Maven\maven-session\src\test\resources
                                       --- compiler-plugin:3.1:testCompile (default-testCompile) @ maven-session
  NFO] Nothing to compile - all classes are up to date
                --- maven-surefire-plugin:2.12.4:test (default-test) @ maven-session ---
  INFO] Surefire report directory: C:\Users\Stuti\AU Maven\maven-session\target\surefire-reports
  unning com.accolite.au.AppTest
ests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.016 sec
ests run: 1, Failures: 0, Errors: 0, Skipped: 0
                --- maven-jar-plugin:2.4:jar (default-jar) @ maven-session ---
                                 ven-install-plugin:2.4:install (default-install) @ maven-session ---
             Installing C:\Users\Stuti\AU Maven\maven-session\target\maven-session-1.0.jar to C:\Users\Stuti\.m2\repository\com\accolite\au\maven-session-1.0\parentalling C:\Users\Stuti\AU Maven\maven-session\nom.xml to C:\Users\Stuti\.m2\repository\com\accolite\au\maven-session\nom.xml to C:\Users\Stuti\.m2\repository\com\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\nom\accolite\au\maven-session\no\accolite\au\maven-session\no\accolite\au\maven-session\no\accolite\au\maven-session\no\accolite\au\maven-session\no\accolite\al\accolite\au\maven-session\no\accolite\au\maven-session\no\acco
```

Run the project: mvn exec:java -Dexec.mainClass=com.accolite.au.App

Q2 Creating the WebApp mentioning the DarchetypeArtifactId accordingly:

mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=webapp-session
Dpackage=com.accolite.au -Dversion=1.1 -DarchetypeArtifactId=maven-archetypewebapp -DinteractiveMode=false

mvn install

Directory structure

```
✓ WEBAPP-SESSION
✓ src \ main
✓ resources
✓ webapp
> WEB-INF
♦ index.jsp
♠ pom.xml
```

pom.xml file

```
project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>com.accolite.au
<artifactId>webapp-session</artifactId>
<packaging>war</packaging>
<version>1.1</version>
<name>webapp-session Maven Webapp
<url>http://maven.apache.org</url>
properties>
  <maven.compiler.source>1.8</maven.compiler.source>
<maven.compiler.target>1.8
/properties>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>3.8.1</version>
    <scope>test</scope>
  <finalName>webapp-session</finalName>
```