Installing Apache Maven

The installation of Apache Maven is a simple process of extracting the archive and adding the `bin` folder with the `mvn` command to the `PATH`.

Detailed steps are:

- Ensure `JAVA_HOME` environment variable is set and points to your JDK installation

- Extract distribution archive in any directory

```
1. unzip apache-maven-3.3.3-bin.zip
```

or

```
1. tar xzvf apache-maven-3.3.3-bin.tar.gz
```

Alternatively use your preferred archive extraction tool.

- Add the `bin` directory of the created directory `apache-maven-3.3.3` to the `PATH` environment variable

- Confirm with `mvn -v` in a new shell. The result should look similar to

```
1. Apache Maven 3.3.3 (7994120775791599e205a5524ec3e0dfe41d4a06; 2015-04-22T04
   :57:37-07:00)
2. Maven home: /opt/apache-maven-3.3.3
3. Java version: 1.8.0_45, vendor: Oracle Corporation
4. Java home: /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home/
   jre
5. Default locale: en_US, platform encoding: UTF-8
6. OS name: "mac os x", version: "10.8.5", arch: "x86_64", family: "mac"
```

Windows Tips

- Check environment variable value e.g.

```
1. echo %JAVA_HOME%
2. C:\Program Files\Java\jdk1.7.0_51
```

- Adding to `PATH`: Add the unpacked distribution's bin directory to your user PATH environment variable by opening up the system properties (WinKey + Pause), selecting the "Advanced" tab, and the "Environment Variables" button, then adding or selecting the PATH variable in the user variables with the value `C:\Program Files\apache-maven-3.3.3\bin`. The same dialog can be used to set `JAVA_HOME` to the location of your JDK, e.g. `C:\Program Files\Java\jdk1.7.0_51`

- Open a new command prompt (Winkey + R then type `cmd`) and run `mvn -v` to verify the installation.

Unix-based Operating System (Linux, Solaris and Mac OS X) Tips

■ Check environment variable value

```
1. echo $JAVA_HOME
2. /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home
```

■ Adding to PATH

```
1. export PATH=/opt/apache-maven-3.3.3/bin:$PATH
```