Installing and Running Maven
First Steps

Module Objectives

- Install Java 8
- Download Maven
- Install Maven
- Run Maven
- Answer Questions...

Install Java

Maven is designed to run on Java 6 or higher.

This class uses Java 8.

1. Visit Oracle's Java SE Page: **http://java.oracle.com**
2. Download Java Development Kit (JDK)
3. Install JDK
4. Set the JAVA_HOME variable to point to the installation directory

Downloading Maven

.. is Easy

1. Go to **http://maven.apache.org/download.cgi**
2. Download zip or tar.gz file, contents are identical
   - **apache-maven-3.3.9-bin.tar.gz**
   - **apache-maven-3.3.9-bin.zip**

Installing Maven

1. Unpack the Maven distribution in any directory
   - e.g. extraction in /opt will create /opt/apache-maven-3.3.9
2. Edit the PATH environment variable:
   - add /opt/apache-maven-3.3.9/bin
3. Restart shell to pick-up environment variable changes

Running Maven

Once Maven has been installed, run the following command:

```
$ mvn -v
Apache Maven 3.3.9 (bb52d85...;
    2015-11-10T08:41:47-08:00)
Maven home: /opt/apache-maven-3.3.9
Java version: 1.8.0_60, vendor: Oracle Corporation
Java home: /Library/Java/JavaVirtualMachines
    /jdk1.8.0_60.jdk/Contents/Home/jre
Default locale: en_US, platform encoding: UTF-8
OS name: "mac os x", version: "10.8.5",
    arch: "x86_64", family: "mac"
```