**Java Development Kit (JDK) Installation**

Access [Java SE Downloads](https://www.oracle.com/java/technologies/javase/jdk11-archive-downloads.html) page and click **Accept License Agreement**. Under the **Download** menu, click the **Download** link that corresponds to the .exe for your version of Windows.

Download the file [jdk-11.0.17\_windows-x64\_bin.exe](https://www.oracle.com/java/technologies/javase/jdk11-archive-downloads.html#license-lightbox).

1. Start the JDK 11 installer by double-clicking the installer's icon or file name in the download location.
2. Follow the instructions provided by the installer.

**Set JAVA\_HOME Environment Variable**

The JAVA\_HOME environment variable is set to the JDK installation directory. The variable can then be used by any program that needs access to the JDK.

To set JAVA\_HOME first you need to locate the Java installation directory.

Set Environment Variable

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Define a new System Variable named JAVA\_HOME and set path of your JDK installation.

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Once this is complete, open command prompt and run java -version, this will ensure that Java is installed on your computer. To test JAVA\_HOME path, run command:

echo %JAVA\_HOME%

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**Maven Installation**

Maven is a build tool. Its primarily used by developers to build java-based applications. It compiles your code, build it in an executable jar file.

To download maven, download the [apache-maven-3.9.0-bin.zip](https://dlcdn.apache.org/maven/maven-3/3.9.0/binaries/apache-maven-3.9.0-bin.zip) file from below location.

[Maven – Download Apache Maven](https://maven.apache.org/download.cgi)

After downloading the file, unzip it in a local folder like this.

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Add MAVEN\_HOME System Variable

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In addition to this, change PATH variable and point it to Java.exe

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Set a new variable which points to the maven folder.

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Test Maven installation, open command prompt and run mvn –version. If you see below response this means Maven is installed on your machine.

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**Follow below steps once you finish writing Java code.**

Once you finish writing your code, to run a maven build, run below command:

mvn clean package

This command will not only compile your code, it will also package it as a jar file. The resultant jar file will be stored in target folder.

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To run jar file, run below command.

java -jar target/ordermanagement-0.0.1-SNAPSHOT.jar

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