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In order to create Java programs, the Java class libraries and the **javac** compiler need to be installed on your computer. In order to run Java programs, the **Java™ Runtime Environment (JRE)** needs to be installed to supply the **java** interpreter. All of these components are contained in a freely available package called the **Java SE (Standard Edition) Development Kit (JDK)**.

The JDK package is available in versions for 32-bit and 64-bit variants of the Linux, Mac, and Windows platforms – select the version for your computer to get started with Java programming.

Oracle JDK

The Oracle Corporation bought the Sun JDK and renamed it to Oracle JDK. This is the formal proprietary version of the Java SE (Standard Edition), maintained by the Oracle team.

OpenJDK

The official reference implementation of the Java SE (Standard Edition) is named “OpenJDK” (Open Java Development Kit). This is a totally free open-source version, supported by Oracle and the Java community at large.

OpenJDK delivers new releases every six months, and several implementations of these are available. The implementation recommended by this book is that provided by the AdoptOpenJDK community group at **adoptopenjdk.net**

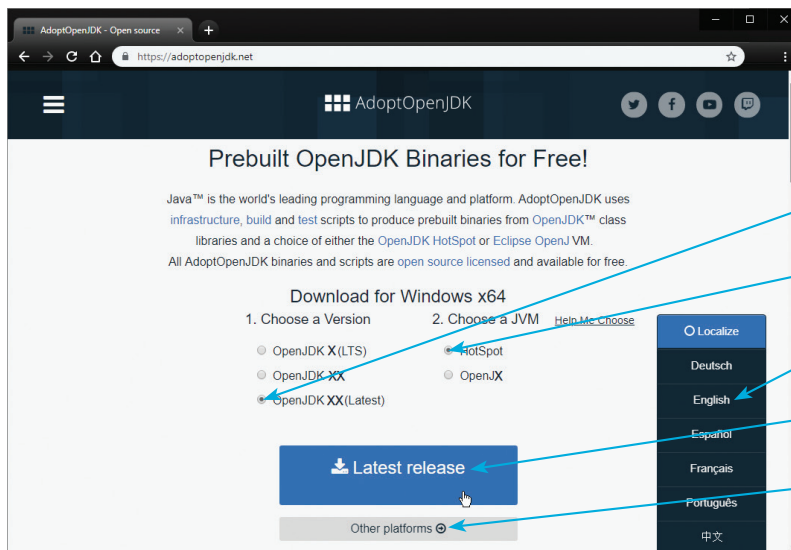


OpenJDK

Learn more on OpenJDK at openjdk.java.net



At the time of writing AdoptOpenJDK is scheduled to soon become EclipseAdoptium, with Java download at <https://projects.eclipse.org/projects/adoptium/downloads>



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