

# Requirements

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*Required for running sim11.*

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## 1. Java 1.4 (or greater) must be installed

Sim11 will not work unless you have a Java Virtual Machine (JVM) with a version number **1.4 (or greater)** installed on your system. The JVM is available (at no cost) for a wide variety of Operating Systems including Microsoft Windows (all variants), MacOS, and UNIX (including Linux).

### 1.1. Verifying JVM 1.4+ is installed

Run the command `java -version` in a window that emulates a dumb terminal. The (*stdout*) output should indicate that the `java` command exists and has version number 1.4.0 or greater.

On Microsoft Windows(95/98/NT/Me/XP), you can open a command line window and verify your JVM version as follows:

1. Use the Start Button and invoke the Run menu item.
2. Type command in the Open option and click OK.
3. A command line window will appear. Type in the command

```
java -version
```

4. The output of the command should be something like:

```
java version "1.4.2"  
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2-b28)  
Java HotSpot(TM) Client VM (build 1.4.2-b28, mixed mode)
```

5. Type `exit` in the command window to close it.

### 1.2. Obtaining Java

If your system does not have java installed or the version is too old, you need to download the Java environment. Java is available (at no cost) for all common Operating Systems.

Java can be obtained from [java.sun.com](http://java.sun.com)