

# Programmering I - Install the necessary software

ID1018

July 9, 2014

# Install the necessary software

## Software for Microsoft Windows

### Step 0

Find out if you have a 32- or 64-bit version of the Microsoft Windows operating system on your computer. The procedure is described in:

`http://support.microsoft.com/default.aspx?kbid=827218`

In brief for Windows Vista, 7, 8: Control Panel — System — System type.

### Step 1

Download and install the SE JDK (Standard Edition, Java Development Kit). Remember which directory it is installed in — there are situations in which you need to find it.

Go to the web page for Java technology:

`http://www.oracle.com/technetwork/java/index.html`

Choose *Java SE* from under *Top Downloads* (found under *Software Downloads*), and then select *JDK DOWNLOAD* (in the table *Java Platform, Standard Edition*).

Then choose the file *Windows x86* for a 32-bit version of the Windows operating system. If you have a 64-bit version of Windows, choose the file *Windows x64*. Confirm that you accept the *License Agreement* and follow the instructions.

## Step 2 (not to be done before step 1!)

Download and install the text editor TextPad.

The file can be found in:

<http://www.textpad.com/download/index.html>

You can choose *English*. Depending on the operating system, select *64-bit* or *32-bit*.

Normally TextPad detects the presence of a JDK when it installs and adopts the corresponding configuration. In some situations additional steps need to be taken.

### Check 1

Start TextPad. Open *External Tools* under *Tools*. A submenu should appear and contain the alternatives *Compile Java* and *Run Java Application*. If such a submenu is not found, do like this:

Choose *Preferences* under *Configure*. Click on (not in front of) *Tools*. Choose *Add* on the right, and then *Program*. Find the JDK directory and below it the subdirectory *bin*. In the *bin* directory, select the program *javac*. Confirm your choice. Repeat the same procedure to add the program *java*.

Now *Compile Java* and *Run Java Application* should appear under *External Tools* in *Tools*.

### Check 2

If you can compile Java programs (successfully, no compilation errors) but not run them, do this:

Choose *Preferences* under *Configure*. Click on *+* in front of *Tools* and select *Run Java Application*. The field *Parameters* to the right should contain **\$BaseName**. If this is not the case, correct the text in the field. Adapt the checkboxes located below the text fields (the checkboxes for *Prompt for parameters*, *Capture Output*, ... should all be empty. Finally, select *OK*. Now it should be possible to also execute Java programs.

## Software for other operating systems

What software is available for various operating systems and how to use it is described at:

`http://docs.oracle.com/javase/tutorial/getStarted/`

Read all of it, and specifically what is under the *The “Hello World” Application*.