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Chapter 1: First steps

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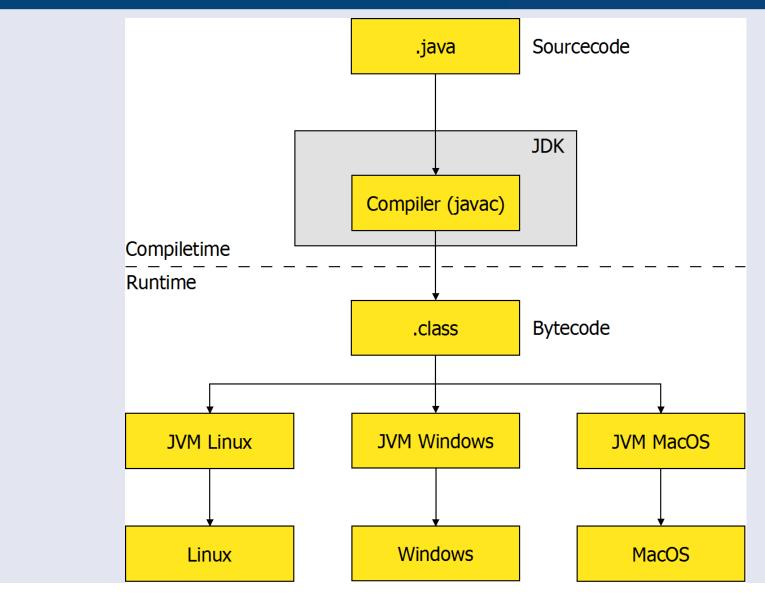
Installing the JDK

- Java Programs are running on the Java Virtual Machine (JVM), which only exists in the memory of our computer
- The JVM is part of the Java Runtime Environment (JRE), which we have to install before running the programs
- In addition, we need the Java Development Kit (JDK) to write our own Java programs
- All required components are available here:
 - http://www.oracle.com/technetwork/java/javase/downloads/index.html

The first program

- Open a text editor and write the source code for the class HelloWorld
- Save the file (use the same name as for the class!)
- Open the command prompt, choose the right folder and compile the code via javac Filename.java
- Run the code via java Filename







Multiple classes

- Create a second class AdditionalText
- Change the class HelloWorld so that it references the newly created class AdditionalText
- Compile and run HelloWorld again

Installing an IDE

- An Integrated Development Environment (IDE) offers a lot of features to make programming in Java faster and more comfortable
- Great variety of IDE's like Eclipse, Netbeans, IntelliJ or JBuilder – for this tutorial we will use Eclipse:
 - http://www.eclipse.org/downloads/



The first project

- Start Eclipse and create a new workspace
- Create a new Java-Project
- Create a package for chapter 1
- Create the HelloWorld-class again