Introduction

Course Environment

Classroom PC
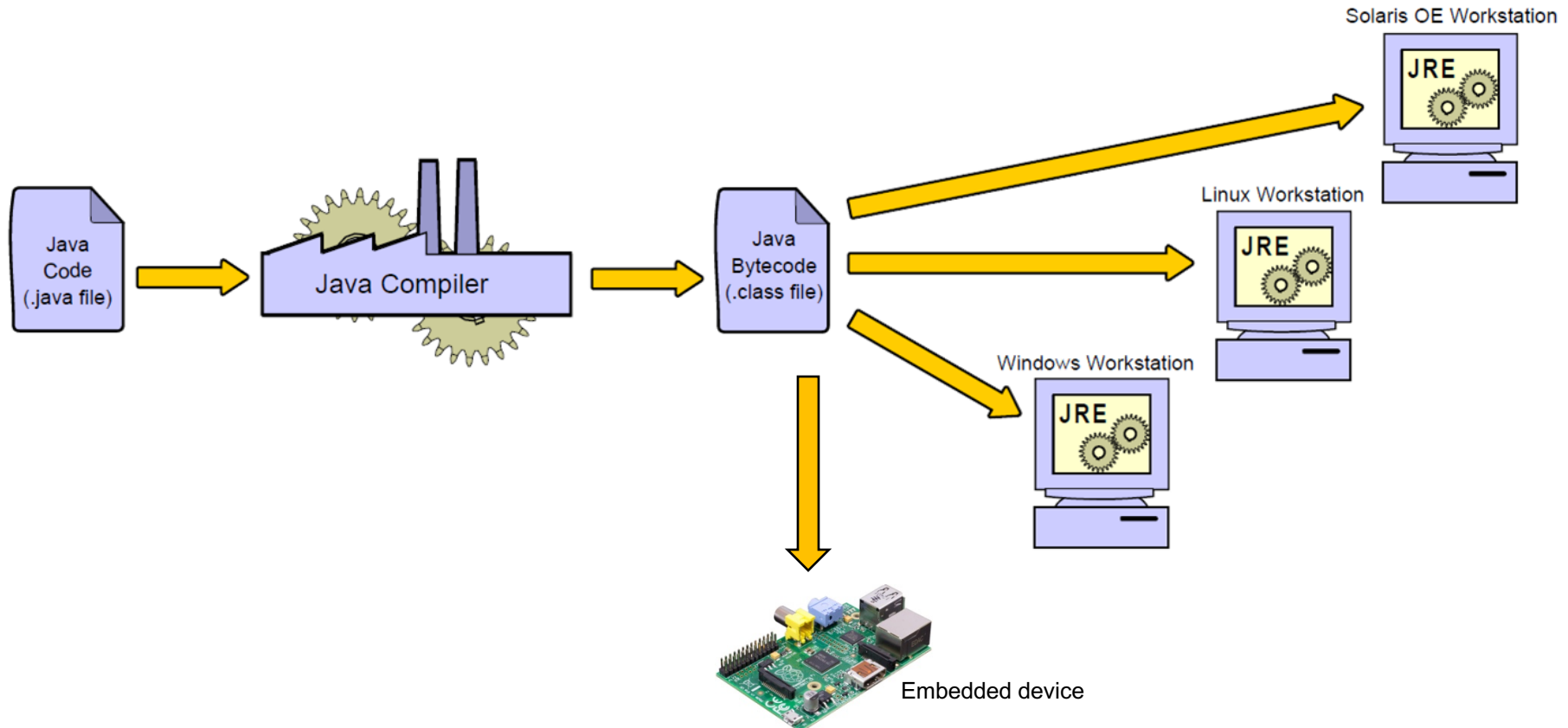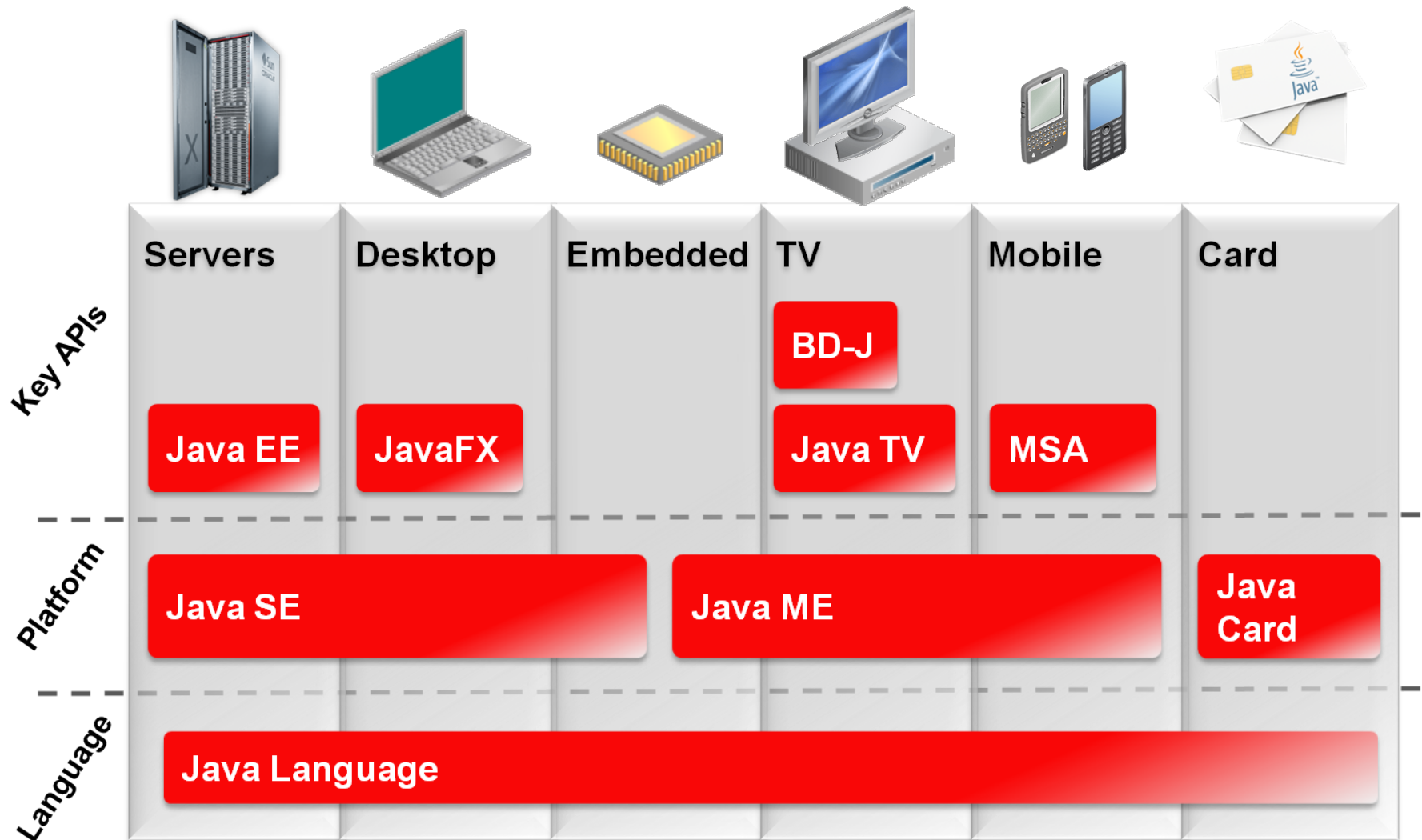
Core Apps
- JDK 8
- NetBeans 8.0

Additional Tools
- Firefox
- Java DB (Derby)
- Oracle Linux
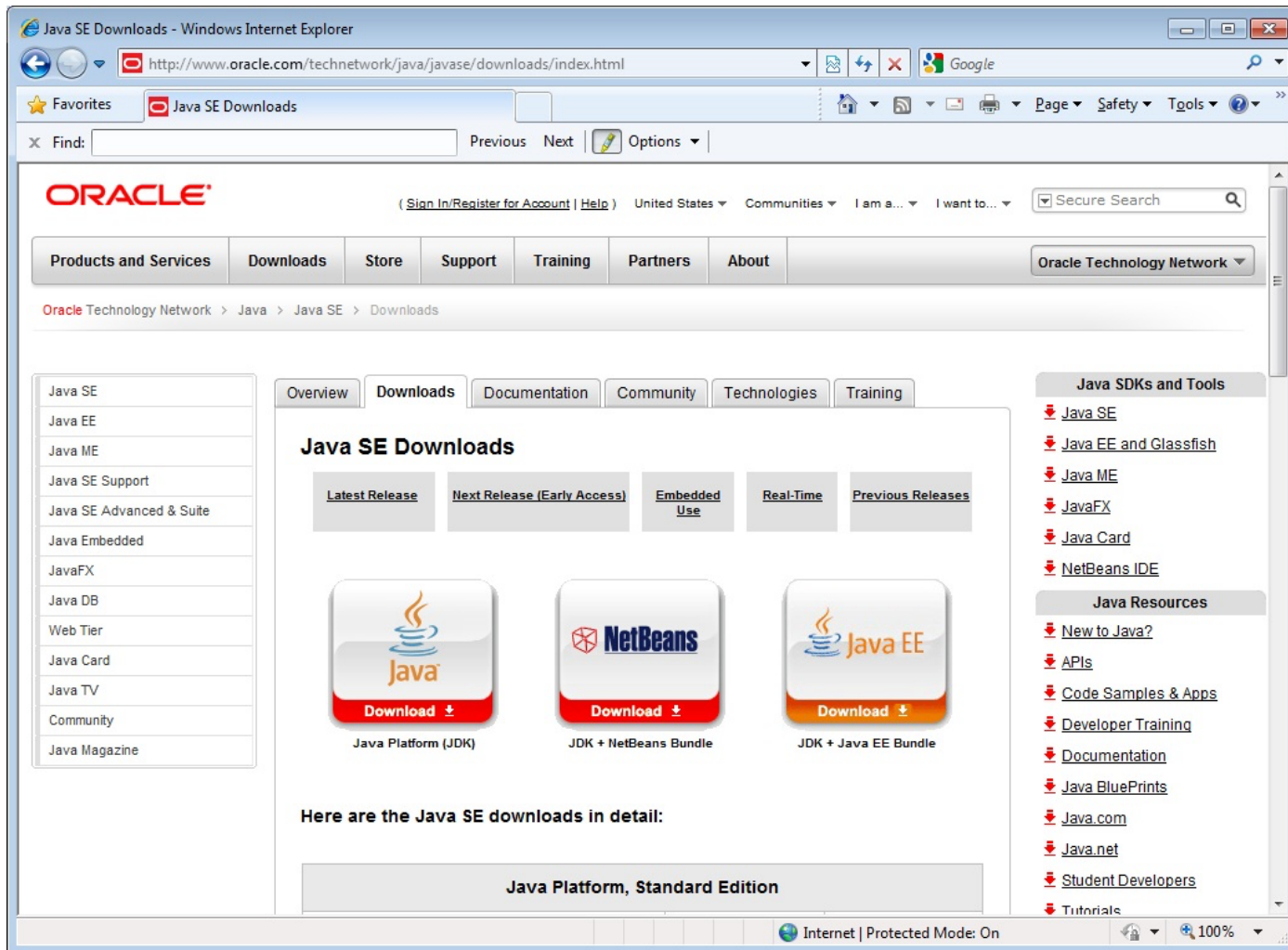
Java Programs Are Platform-Independent
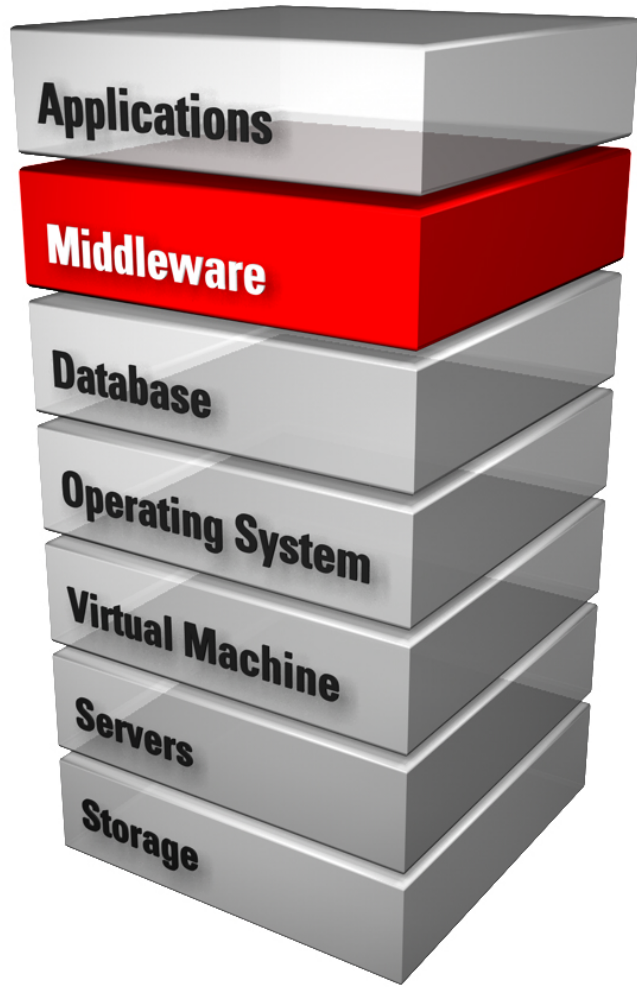
Java Technology Product Groups

Java SE Platform Versions

Year	Developer Version (JDK)	Platform
1996	1.0	1
1997	1.1	1
1998	1.2	2
2000	1.3	2
2002	1.4	2
2004	1.5	5
2006	1.6	6
2011	1.7	7
2014	1.8	8

Downloading and Installing the JDK
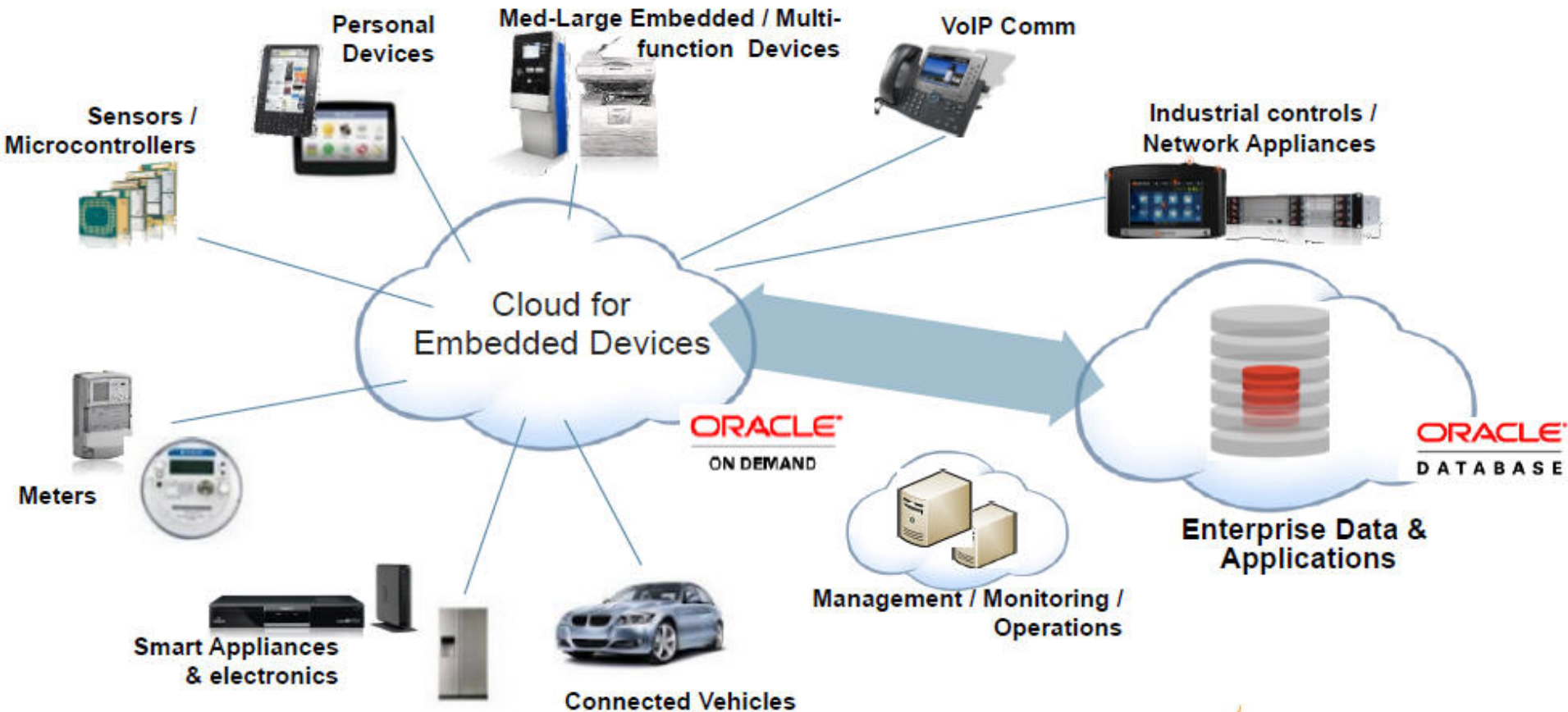
Java in Server Environments

Java is common in enterprise environments:

- Oracle Fusion Middleware
  - Java application servers
    - GlassFish
    - WebLogic
- Database servers
  - MySQL
  - Oracle Database

The Internet of Things

Devices on the "edge" represent a huge growth opportunity.

The Java Community

The Java Community Process (JCP)

The JCP is used to develop new Java standards:

- http://jcp.org
- Free download of all Java Specification Requests (JSRs)
- Early access to specifications
- Public review and feedback opportunities
- Open membership

OpenJDK

OpenJDK is the open-source implementation of Java:

- http://openjdk.java.net/

- GPL licensed open-source project

- JDK reference implementation

- Where new features are developed

- Open to community contributions

- Basis for Oracle JDK

Oracle Java SE Support

Java is available free of charge. However, Oracle does provide pay-for Java solutions:

- The Java SE Support Program provides updates for end-of-life Java versions.

- Oracle Java SE Advanced and Oracle Java SE Suite:
  - JRockit Mission Control
  - Memory Leak Detection
  - Low Latency GC (Suite)
  - JRockit Virtual Edition (Suite)

Additional Resources

Topic	Website
Education and Training	http://education.oracle.com
Product Documentation	http://www.oracle.com/technology/documentation
Product Downloads	http://www.oracle.com/technology/software
Product Articles	http://www.oracle.com/technology/pub/articles
Product Support	http://www.oracle.com/support
Product Forums	http://forums.oracle.com
Product Tutorials	http://www.oracle.com/technetwork/tutorials/index.html
Sample Code	https://www.samplecode.oracle.com
Oracle Technology Network for Java Developers	http://www.oracle.com/technetwork/java/index.html
Oracle Learning Library	http://www.oracle.com/goto/oll

Summary

In this lesson, you should have learned about:

- Software used in this course
- Java platforms (ME, SE, and EE)
- Java SE version numbers
- Obtaining a JDK
- The open nature of Java and its community
- Commercial support options for Java SE