JavaFX in 4 Days

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Day 1 - 1 About Java

Contents

- What is Java?

- Java Platform

- Java Editions

- Java Versions

- How to write a java program

What is Java?

High level Programming Language

Strong Type Programming

Write Once Run Anywhere

Desktop Applications

Object Oriented Programming
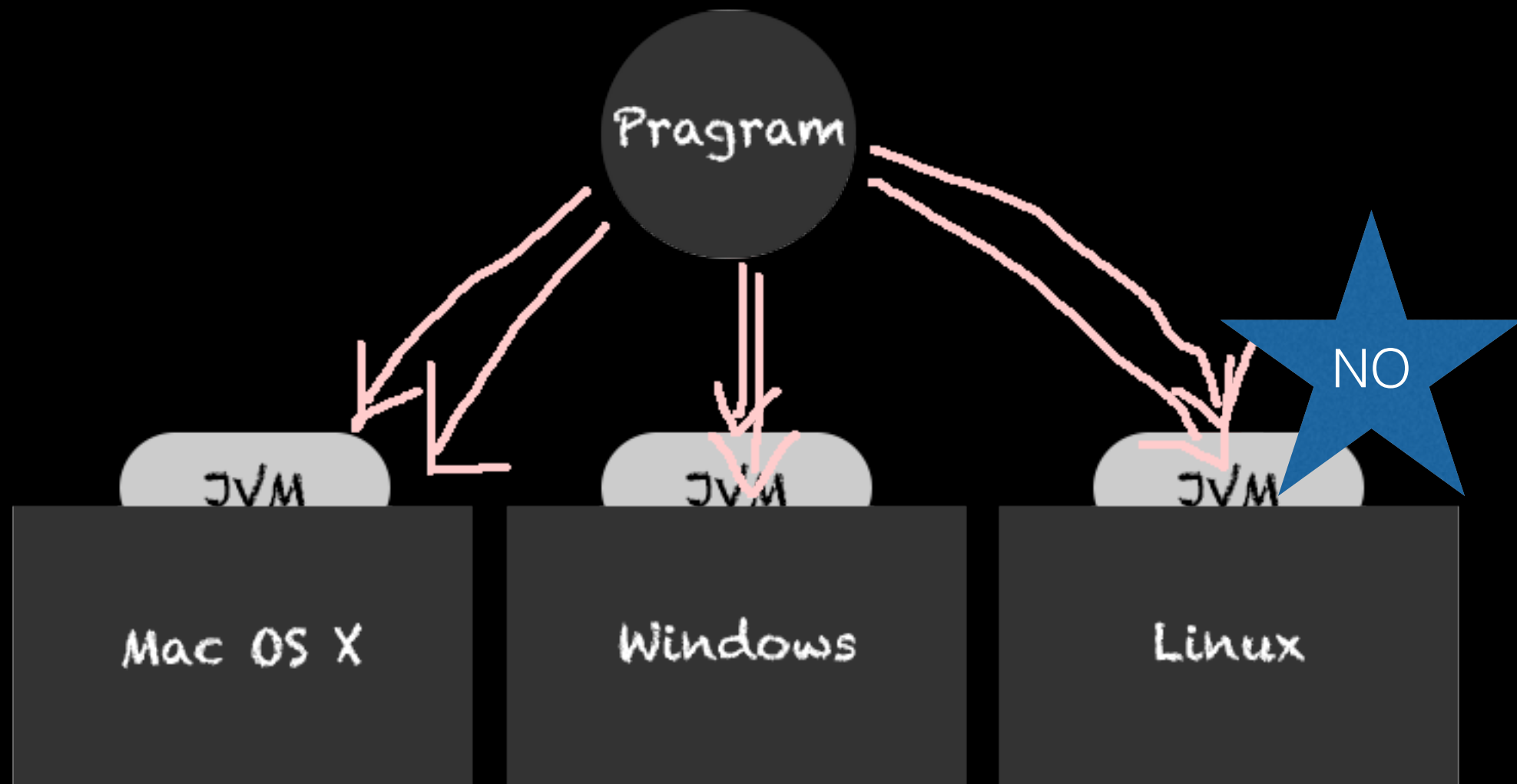
Enterprise Applications

Mobile Applications

Embedded Applications

Functional Style

Lifecycle
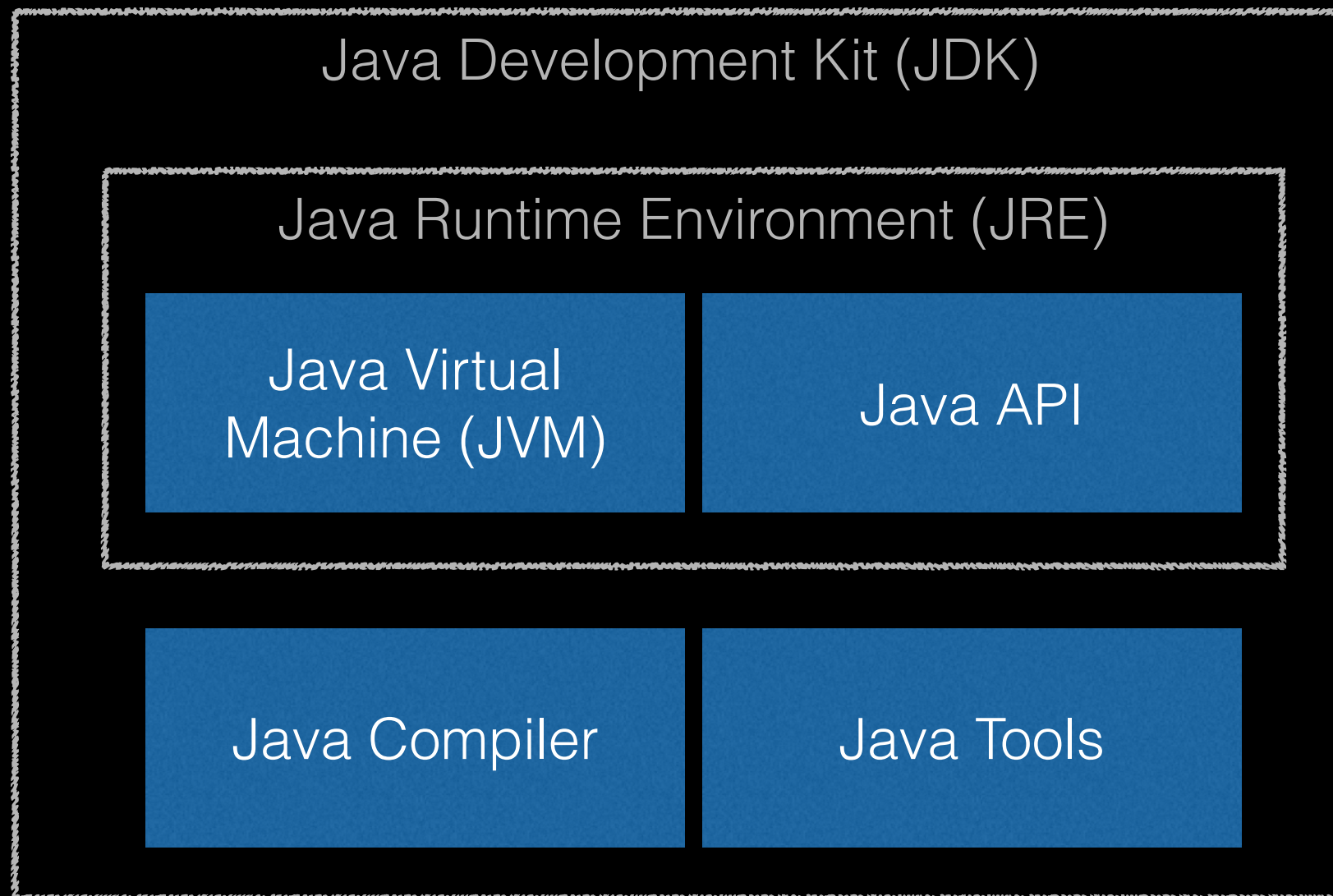

2. Source Code အား ကွန်ပိုင်းလုပ်ခြင်း

Source Code (Text)

Java Compiler

Java Bytecode

Hello.java

Hello.class

1. Source Code အား ရေးသားခြင်း

JVM

3. Class File အား JVM ပေါ်တွင် အလုပ်လုပ်စေခြင်း
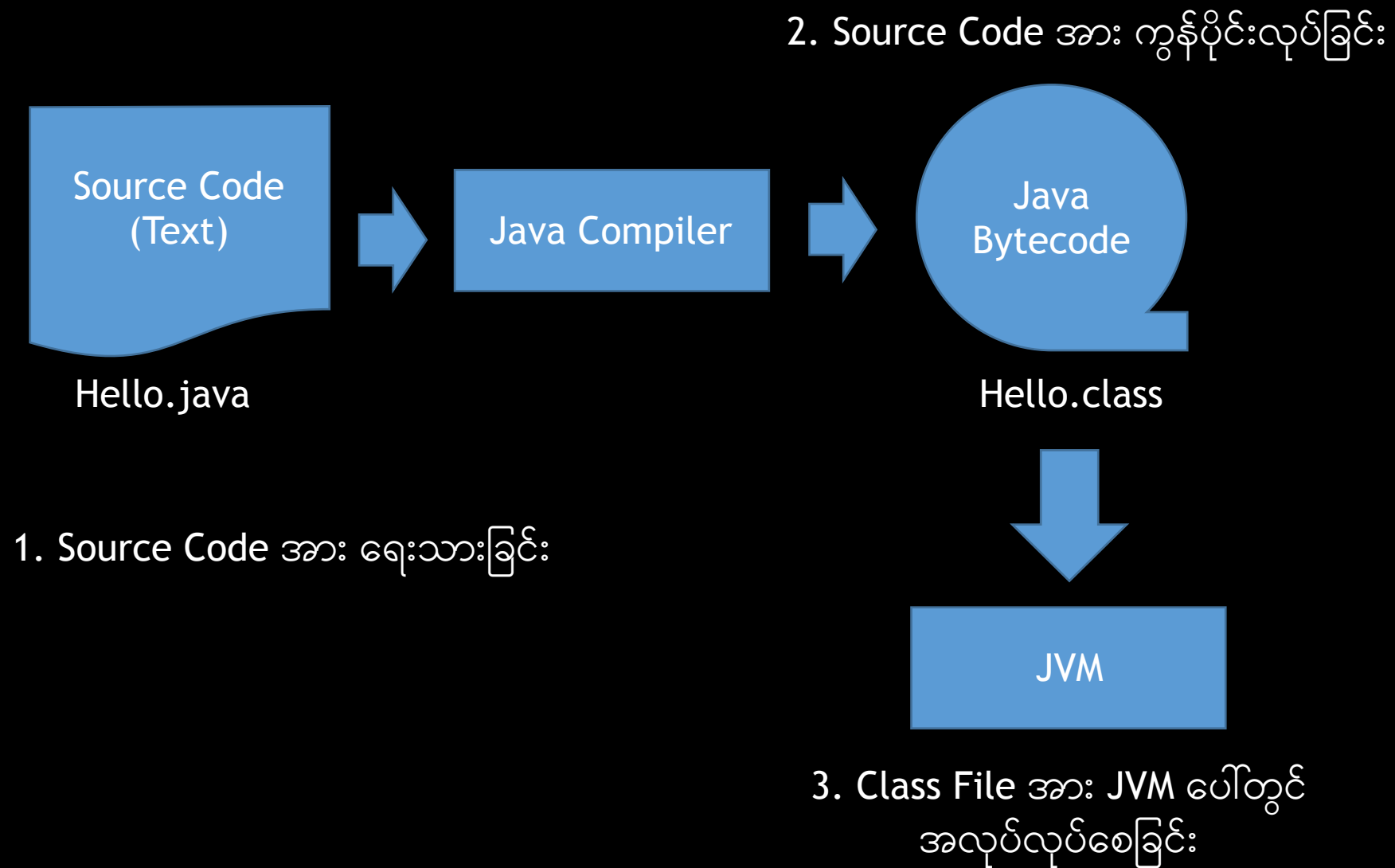
Write Once Run Anywhere

Java Platforms

Java Development Kit (JDK)

Java Runtime Environment (JRE)

Java Virtual Machine (JVM)

Java API

Java Compiler

Java Tools

Java Editions

Java SE
- Java ဘာသာရပ်၏ အခြေခံ Edition
- Desktop Application များအား ရေးသားနိုင်

Java EE
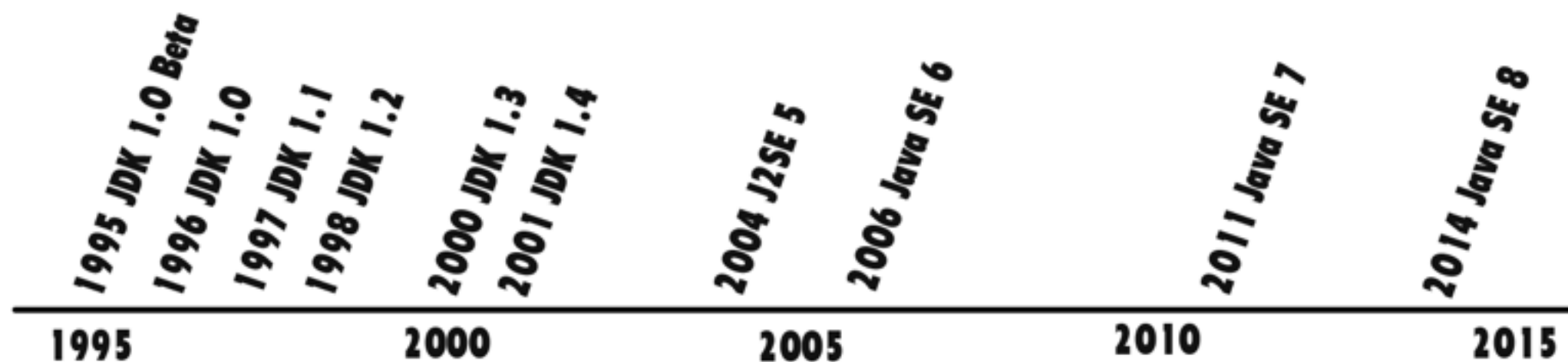- Enterprise Java Application များအား ရေးသားရန် အခြေခံ Edition

Java ME
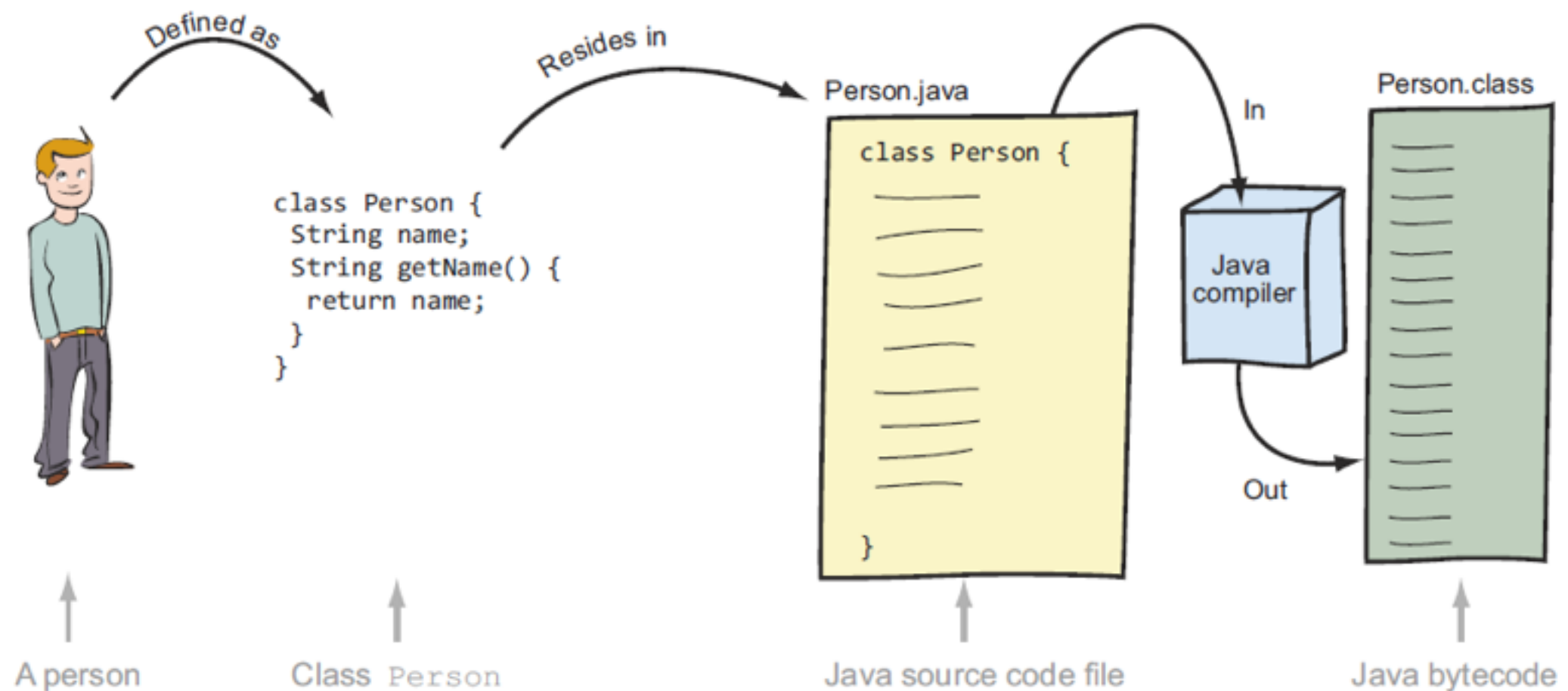- Embedded ပတ်ဝင်းကျင်များ အတွက် Java Edition

Java Versions

Java Version History

1995 JDK 1.0 Beta
1996 JDK 1.0
1997 JDK 1.1
1998 JDK 1.2
2000 JDK 1.3
2001 JDK 1.4
2004 J2SE 5
2006 Java SE 6
2011 Java SE 7
2014 Java SE 8

1995   2000   2005   2010   2015

How to write?

Figure 1.1 Relationship between the class `Person`, the files Person.java and Person.class, and how one transforms into another

What we should know for Java SE

- Object and Class

- Java Data Types and Arrays

- Modifiers and Operators

- Control Flow Statements

- Classes and Interfaces

- Enumeration, Annotations and Generics

- Lambda Expressions

- Exceptions

- Inputs and Outputs

- Numbers, String and Date

- Collections Framework

"Thank You."

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