

Java SE: The Big Picture



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Java Champion

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Who's This Course For?



Developer



Former Java
Developer



Manager

Code for illustration purposes only

Version Check



This course was created by using:

- Java SE 17

Version Check



This course is 100% applicable to:

- Java SE 8, 17, 21 and all subsequent versions
- Any Java distribution:
 - Oracle
 - Eclipse (Temurin)
 - Azul
 - Others

Course Overview

Introducing the Java Platform

Adopting Java

Working with Java

The Wider Java Ecosystem



Java Is Dead...

2002

 **Is Java Dead ?**

[General and Gameplay Programming](#) [Programming](#)

Started by [Themonkster](#) November 28, 2002 11:47 AM
153 comments, last by [Themonkster](#) 19 years, 1 month ago 

2008

Neal Gafter's blog
Thoughts about Programming Languages,

Friday, January 11, 2008
Is the Java Language Dying?

2020

September 22, 2020 in [Technology Bytes](#)

Is Java Dead? – Find Out Its Past, Present And Future

2021

ANDROID SOFTWARE DEV

Is Java still relevant in 2021?

 **Krasnova Margarita**
Content Manager | February 10, 2021

2022

 **Jan Wedel**
Posted on Nov 18, 2019 • Updated on Nov 20, 2019

Java is Dead - Long Live Java

#java#beginners#career

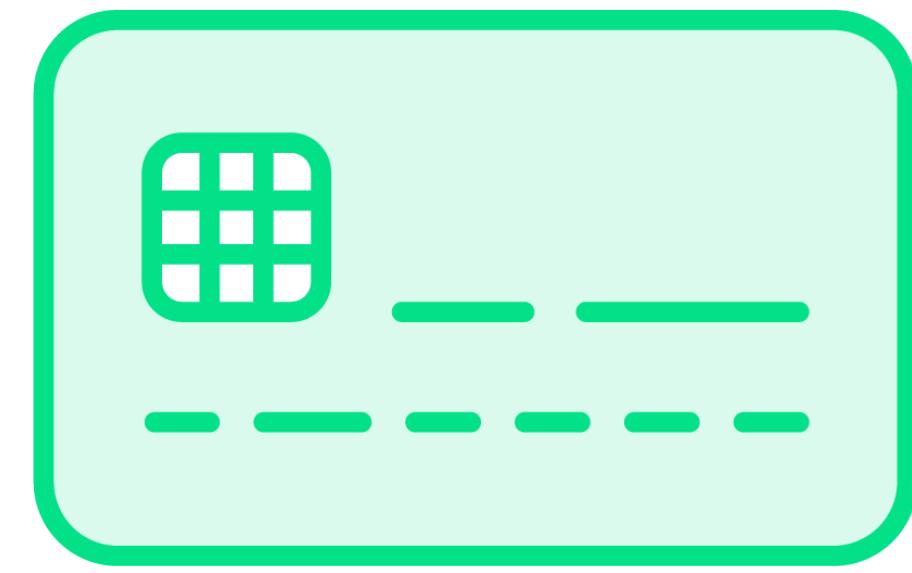
Java is dead. Leave the sinking ship, Kotlin, golang, whatever it is, learn another language!

Is that really true?

“There are only two kinds of languages: the ones people complain about and the ones nobody uses.”

– Bjarne Stroustrup, **The C++ Programming Language**

... Long Live Java!



Smartcards



Cloud services

... Long Live Java!



The New York Times

CLUED IN

How ‘Java’ Became Coffee’s Nickname and a Programming Language

In Thursday’s puzzle, “Java” was the answer to the clue
“Programming language named for a drink named for an island.”



Java Release Cycle

2011



2014



2017



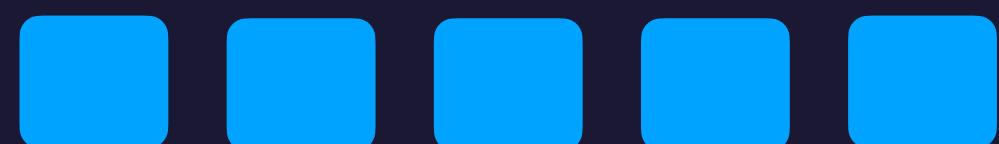
2018



2019



2020



2021



Long-term Supported versions

What About JavaScript?

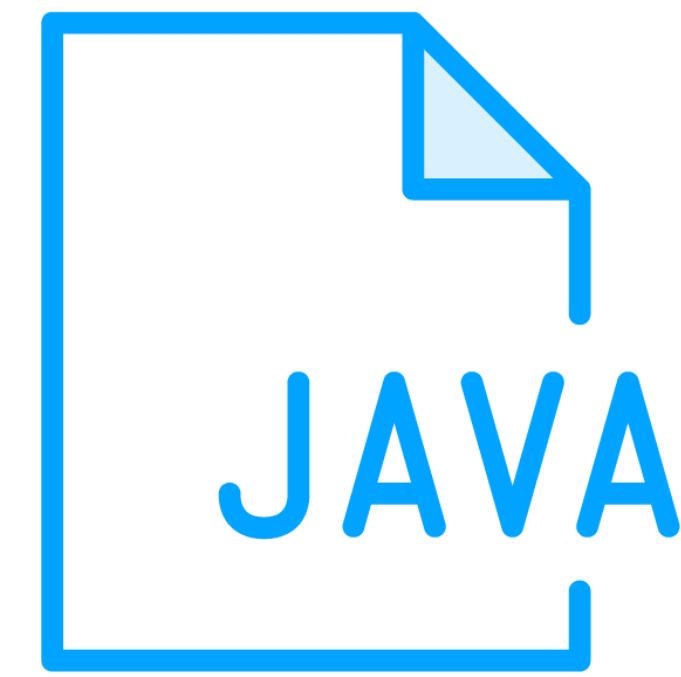
JavaScript



Java

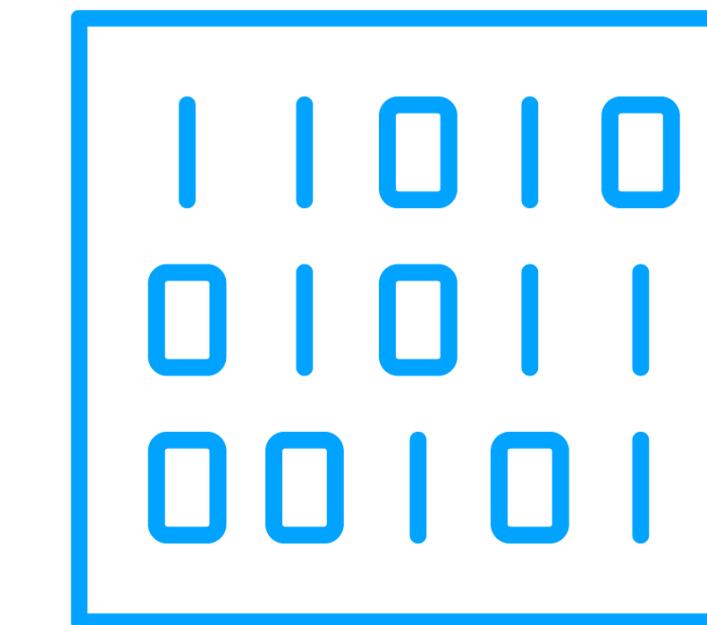
The Java Platform

Java Development Kit (JDK)

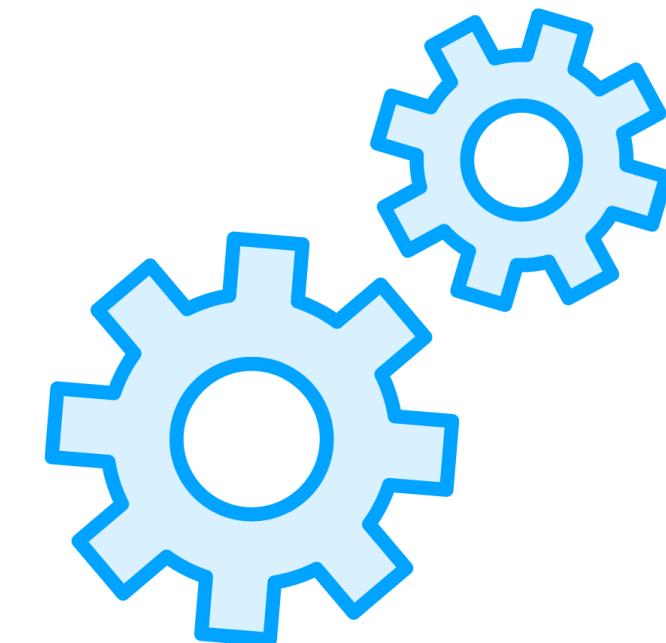


Programming
language

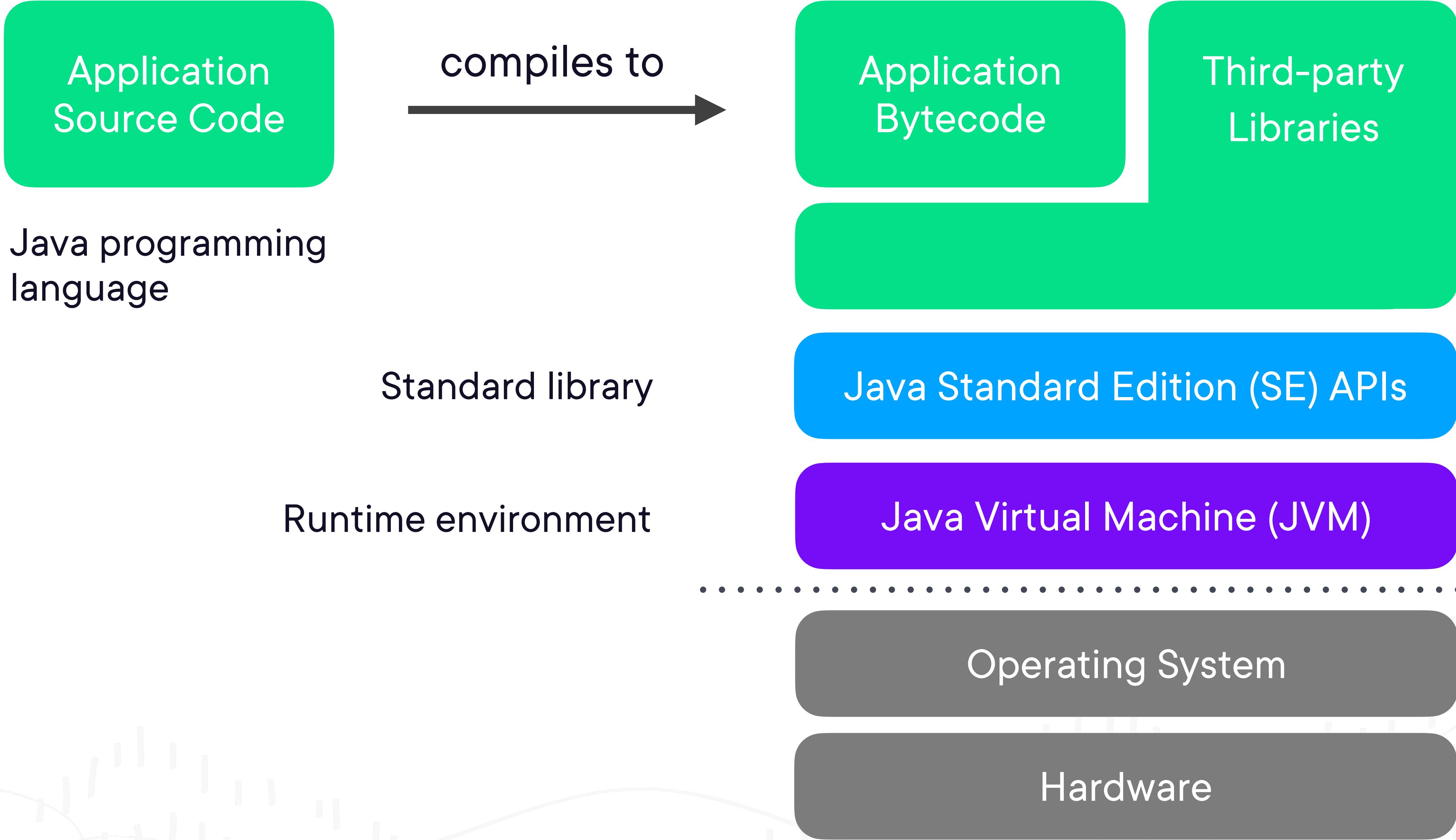
Java



Standard library



Runtime
environment



Compiling and Running Java Code

Hello.java

Class declaration

```
public class Hello {
```

Main method

```
    public static void main(String[] args) {  
        System.out.println("Hello Pluralsight!");  
    }
```

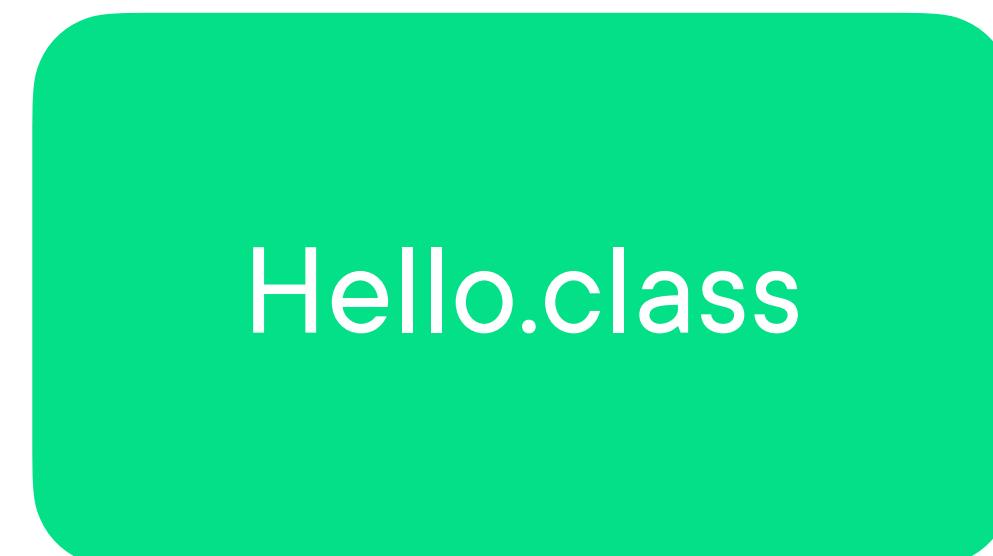
```
}
```

Compiling and Running Java Code

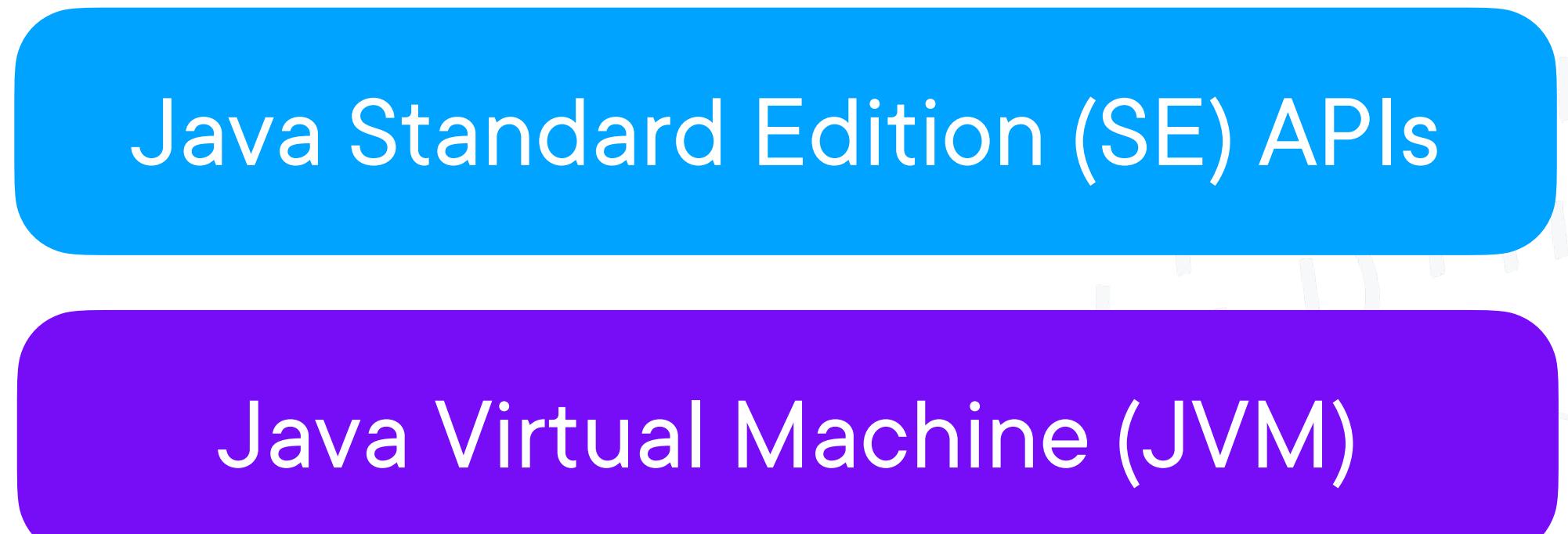
Hello.java

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println(  
            "Hello Pluralsight!");  
    }  
}
```

javac
→



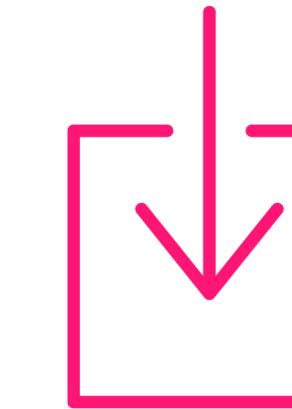
java



Demo

Compiling and running Java code

Download JDK



oracle.com/technetwork/java/javase

Summary

Java Platform in 3 parts

Java Programming Language

Java Standard Edition (SE) APIs

Java Virtual Machine (JVM)

JDK