



It's Your Life

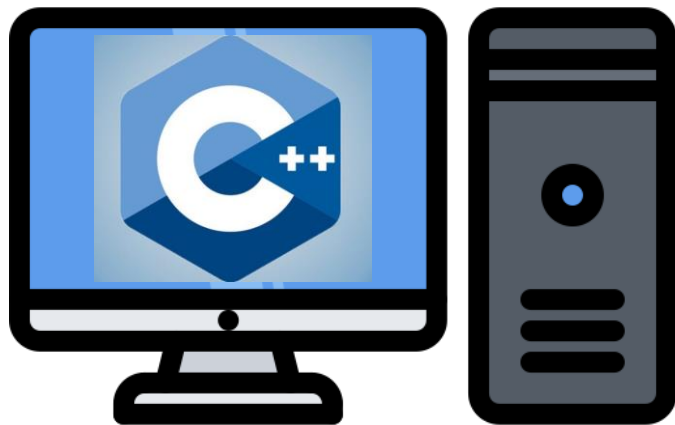
with





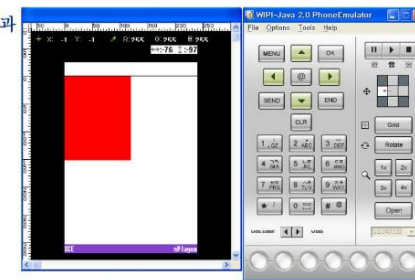
Java!?





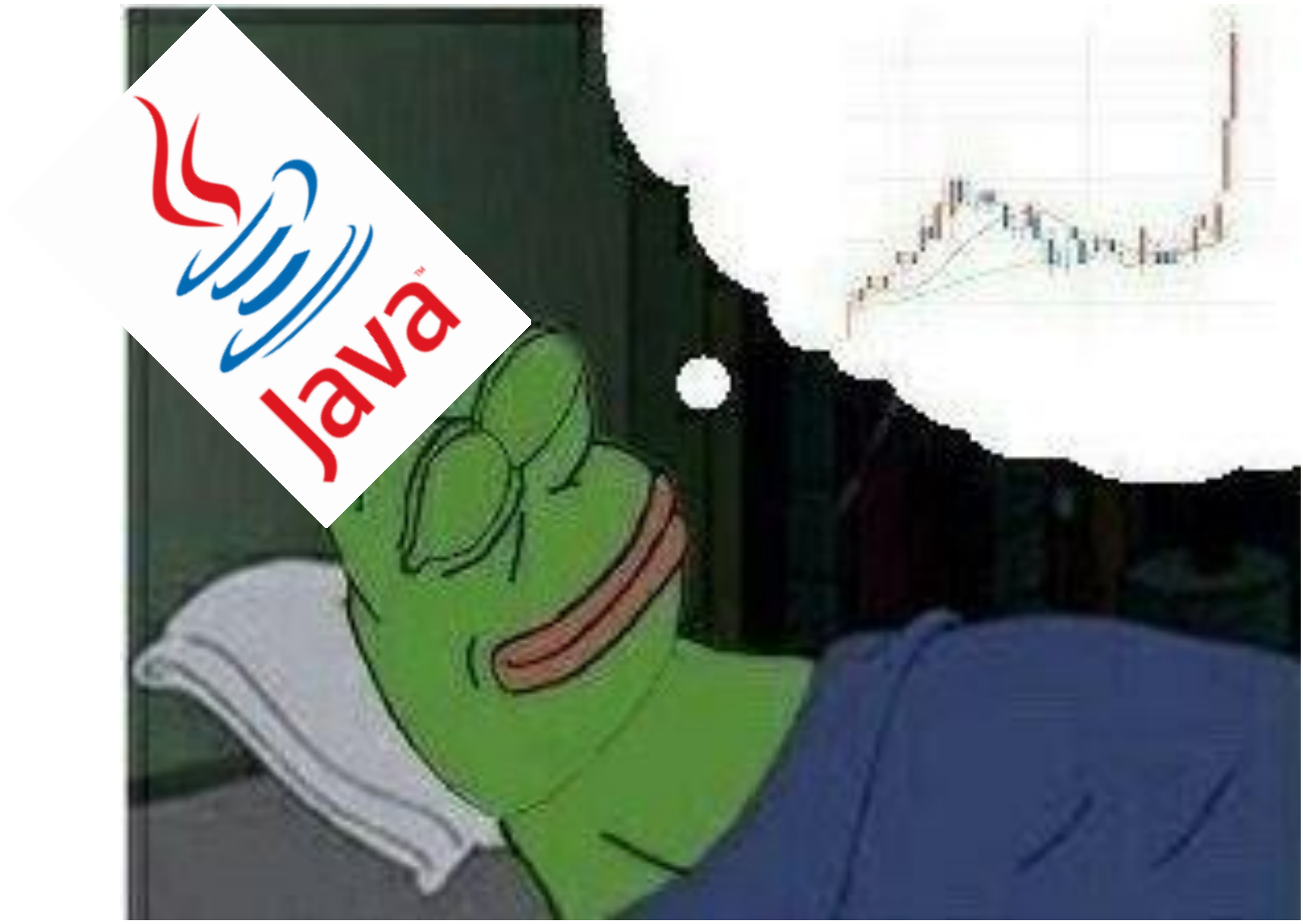
SK-VM에서 실행

실행 결과



[개정판]
Verilog HDL
Verilog HDL을 이용한 디지털 시스템 설계
이승은 지음







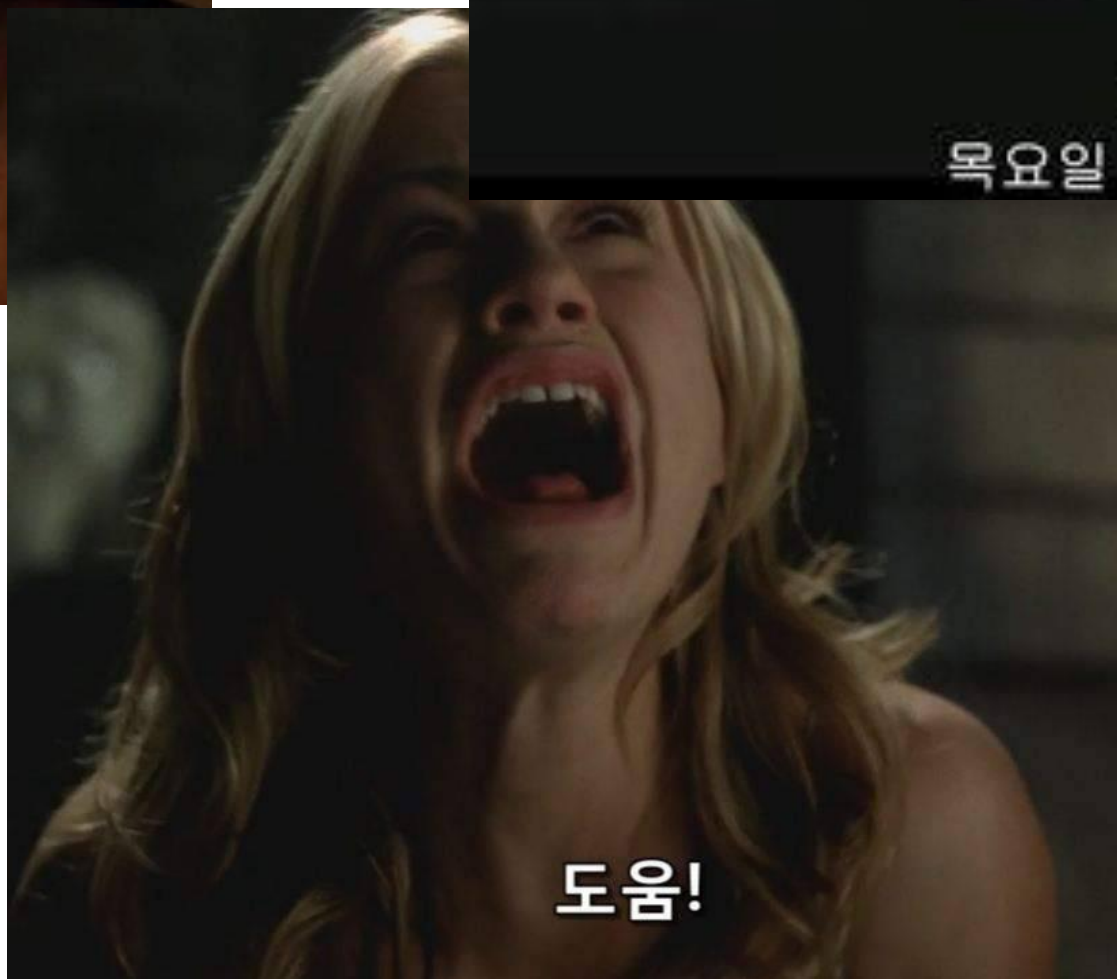


저는 제 아내를 저장하지 못했습니다I
could not save my wife.

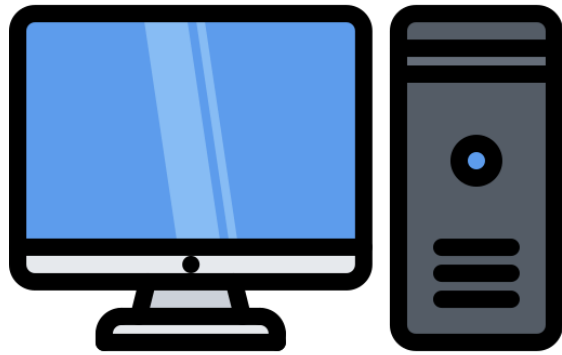


SATURDAY

목요일



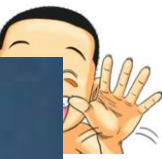
도움!



Java™







MBC

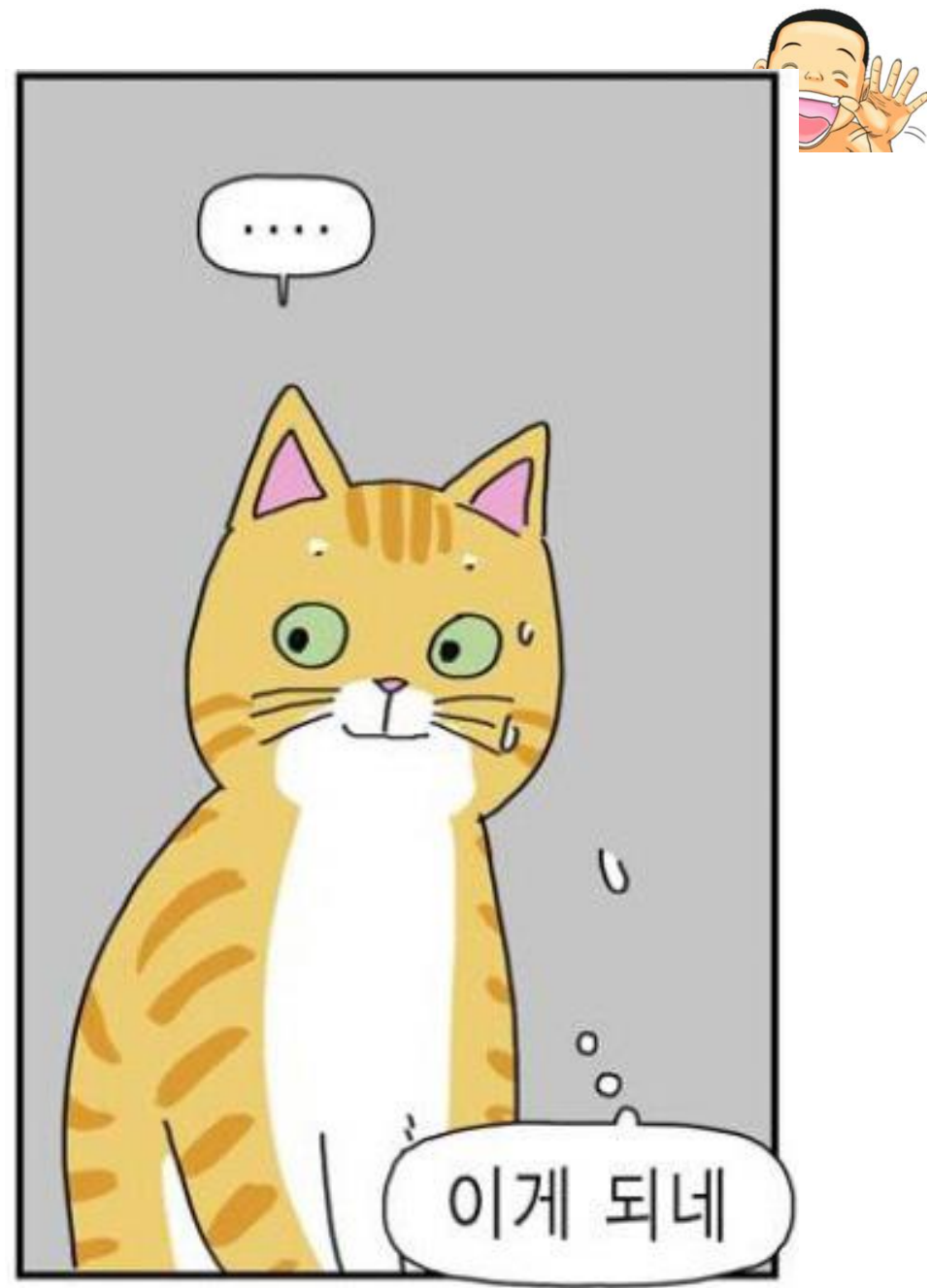
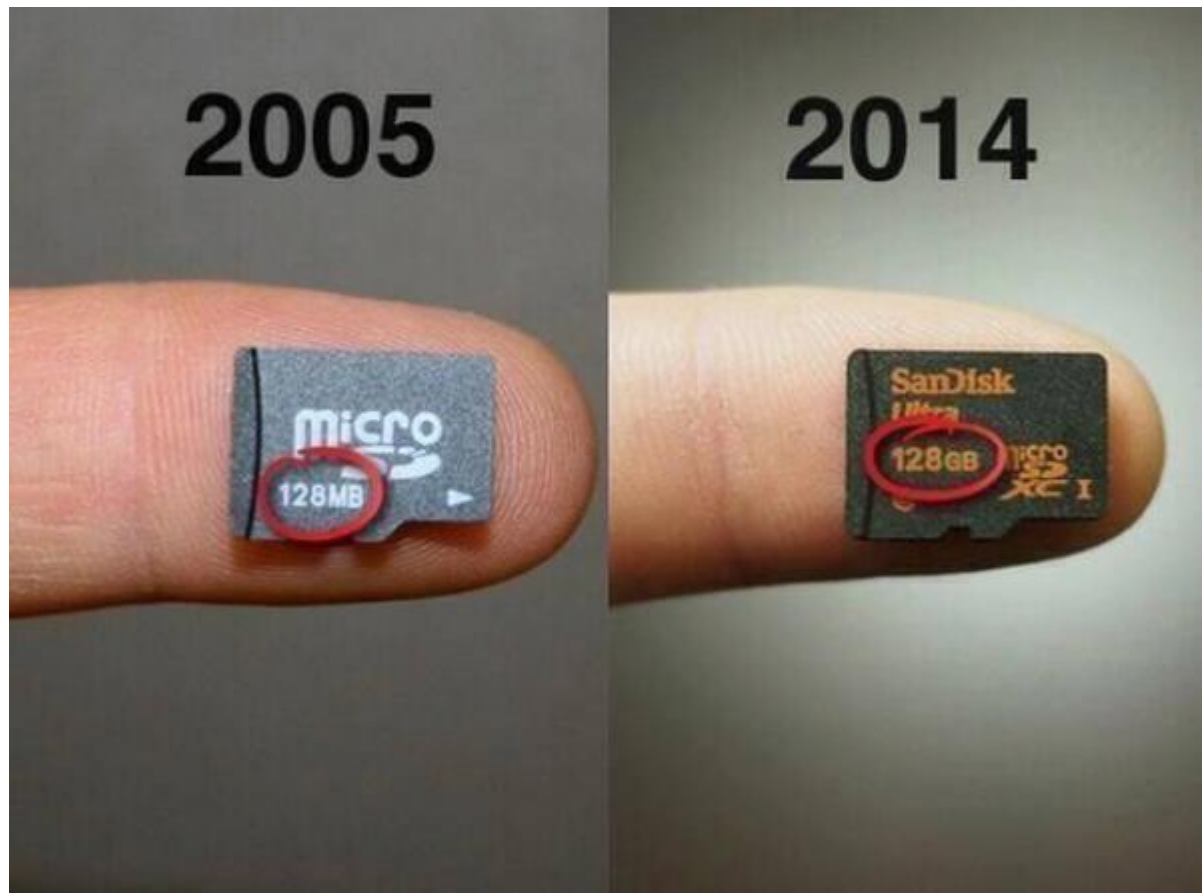
후원도 커
해당기간

이건
무슨..

그런데

다 망했어요







JDK?

(Development Kit)





azul



OpenJDK



GraalVM

<https://whichjdk.com/ko/>



Java 의 실행



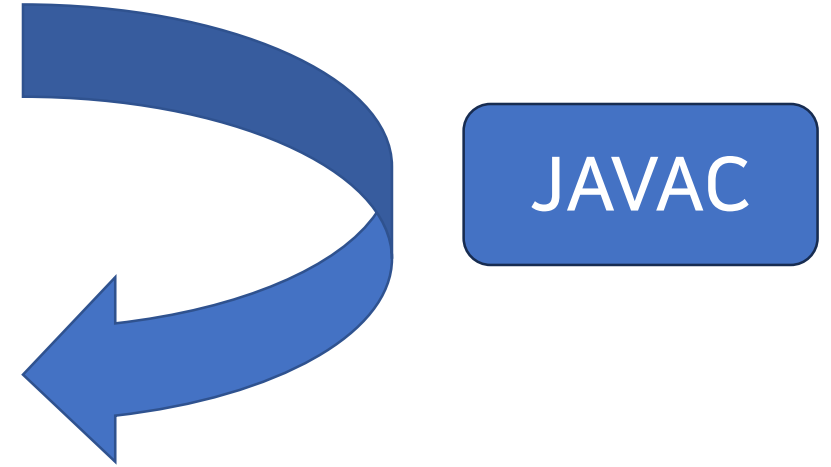
```
Main.java
1 public class Main {
2     public static void main(String[] args) {
3         System.out.println("Hello world!");
4     }
5 }
```

Project kb-java-lecture C:\git\kb-java-lecture

- idea
- out
 - production
 - kb-java-lecture
 - Main
- src
 - Main
 - .gitattributes
 - .gitignore
 - kb-java-lecture.iml
- External Libraries
- Scratches and Consoles

Decompiled .class file, bytecode version: 61.0 (Java 17)

```
1 //
2 // Source code recreated from a .class file by IntelliJ
3 // (powered by FernFlower decompiler)
4 //
5
6 public class Main {
7     public Main() {
8     }
9
10    public static void main(String[] args) {
11        System.out.println("Hello world!");
12    }
13 }
```

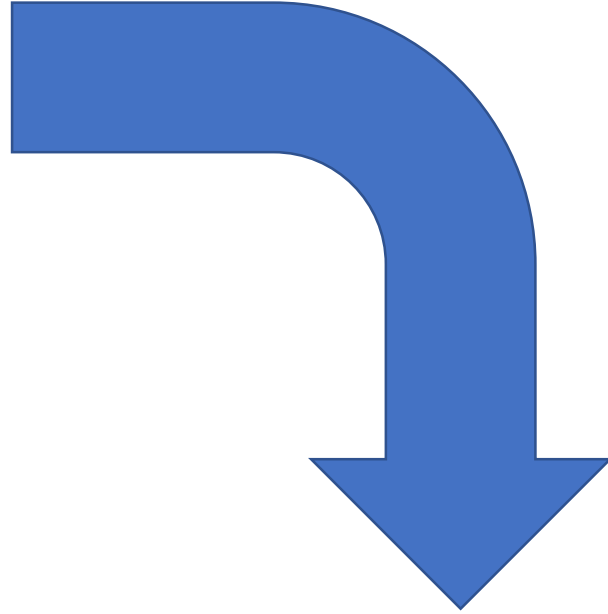


Class File	Opcode	Report
00000000h	CA FE BA BE	00 00 00 33 00 22 0A 00 06 00 14 09
00000010h		00 15 00 16 08 00 17 0A 00 18 00 19 07 00 1A 07
00000020h		00 1B 01 00 06 3C 69 6E 69 74 3E 01 00 03 28 29
00000030h		56 01 00 04 43 6F 64 65 01 00 0F 4C 69 6E 65 4E
00000040h		75 6D 62 65 72 54 61 62 6C 65 01 00 12 4C 6F 63
00000050h		61 6C 56 61 72 69 61 62 6C 65 54 61 62 6C 65 01
00000060h		00 04 74 68 69 73 01 00 0F 4C 48 65 6C 6C 6F 57
00000070h		6F 72 6C 64 41 70 70 3B 01 00 04 6D 61 69 6E 01
00000080h		00 16 28 5B 4C 6A 61 76 61 2F 6C 61 6E 67 2F 53
00000090h		74 72 69 6E 67 3B 29 56 01 00 04 61 72 67 73 01
000000A0h		00 13 5B 4C 6A 61 76 61 2F 6C 61 6E 67 2F 53 74
000000B0h		72 69 6E 67 3B 01 00 0A 53 6F 75 72 63 65 46 69
000000C0h		6C 65 01 00 12 48 65 6C 6C 6F 57 6F 72 6C 64 41
000000D0h		70 70 2E 6A 61 76 61 0C 00 07 00 08 07 00 1C 0C
000000E0h		00 1D 00 1E 01 00 0C 48 65 6C 6C 6F 20 57 6F 72
000000F0h		6C 64 21 07 00 1F 0C 00 20 00 21 01 00 0D 48 65
00000100h		6C 6C 6F 57 6F 72 6C 64 41 70 70 01 00 10 6A 61
00000110h		76 61 2F 6C 61 6E 67 2F 4F 62 6A 65 63 74 01 00
00000120h		10 6A 61 76 61 2F 6C 61 6E 67 2F 53 79 73 74 65
00000130h		6D 01 00 03 6F 75 74 01 00 15 4C 6A 61 76 61 2F
00000140h		69 6F 2F 50 72 69 6E 74 53 74 72 65 61 6D 3B 01



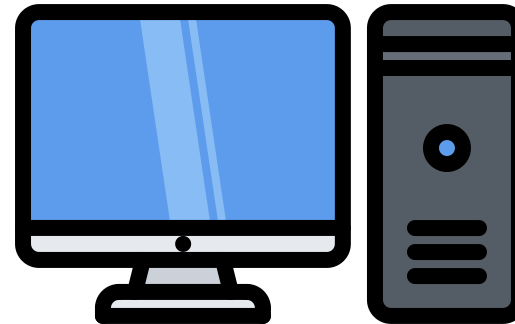
Class File	Opcode	Report
00000000h	CA FF BA BE	00 00 00 33 00 22 0A 00 06 00 14 09
00000010h		00 15 00 16 08 00 17 0A 00 18 00 19 07 00 1A 07
00000020h		00 1B 01 00 06 3C 69 6E 69 74 3E 01 00 03 28 29
00000030h		56 01 00 04 43 6F 64 65 01 00 0F 4C 69 6E 65 4E
00000040h		75 6D 62 65 72 54 61 62 6C 65 01 00 12 4C 6F 63
00000050h		61 6C 56 61 72 69 61 62 6C 65 54 61 62 6C 65 01
00000060h		00 04 74 68 69 73 01 00 0F 4C 48 65 6C 6C 6F 57
00000070h		6F 72 6C 64 41 70 70 3B 01 00 04 6D 61 69 6E 01
00000080h		00 16 28 5B 4C 6A 61 76 61 2F 6C 61 6E 67 2F 53
00000090h		74 72 69 6E 67 3B 29 56 01 00 04 61 72 67 73 01
000000A0h		00 13 5B 4C 6A 61 76 61 2F 6C 61 6E 67 2F 53 74
000000B0h		72 69 6E 67 3B 01 00 0A 53 6F 75 72 63 65 46 69
000000C0h		6C 65 01 00 12 48 65 6C 6C 6F 57 6F 72 6C 64 41
000000D0h		70 70 2E 6A 61 76 61 0C 00 07 00 08 07 00 1C 0C
000000E0h		00 1D 00 1E 01 00 0C 48 65 6C 6C 6F 20 57 6F 72
000000F0h		6C 64 21 07 00 1F 0C 00 20 00 21 01 00 0D 48 65
00000100h		6C 6C 6F 57 6F 72 6C 64 41 70 70 01 00 10 6A 61
00000110h		76 61 2F 6C 61 6E 67 2F 4F 62 6A 65 63 74 01 00
00000120h		10 6A 61 76 61 2F 6C 61 6E 67 2F 53 79 73 74 65
00000130h		6D 01 00 03 6F 75 74 01 00 15 4C 6A 61 76 61 2F
00000140h		69 6F 2F 50 72 69 6E 74 53 74 72 65 61 6D 3B 01

class



assembly

```
2C4F:1D00 C2 B5 C8 20-6E B8 B8 C5-AD 20 C3 E2-B7 C2 20 C8 ... n....
2C4F:1D10 C4 20 C1 D9-B9 D9 B2 DE-C0 BB 20 BC-F6 C7 E0 C7 .....
2C4F:1D20 D8 BC AD 0D-0A 3B 20 32-C2 F7 BF F8-20 B9 E8 BF .....; 2...
2C4F:1D30 AD 20 BF CF-BC BA 0D 0A-0D 0A 6F 75-74 70 75 74 .....output
2C4F:1D40 3A 20 20 20-20 20 0D 0A-09 09 09 6D-6F 76 20 20 : .....mov
2C4F:1D50 73 69 2C 20-6F 75 74 64-2B 33 09 09-3B 20 C3 E2 si, outd+3...; ..
2C4F:1D60 B7 C2 20 B9-AE C0 DA 20-B8 DE B8 F0-B8 AE 20 C1 .. .....
2C4F:1D70 D6 BC D2 20-C0 FA C0 E5-20 31 C0 DA-B8 AE BA CE ... .. 1.....
```





Java SE 17 Archive Downloads

Go to the [Oracle Java Archive](#) page.

The JDK is a development environment for building applications using the Java programming language.

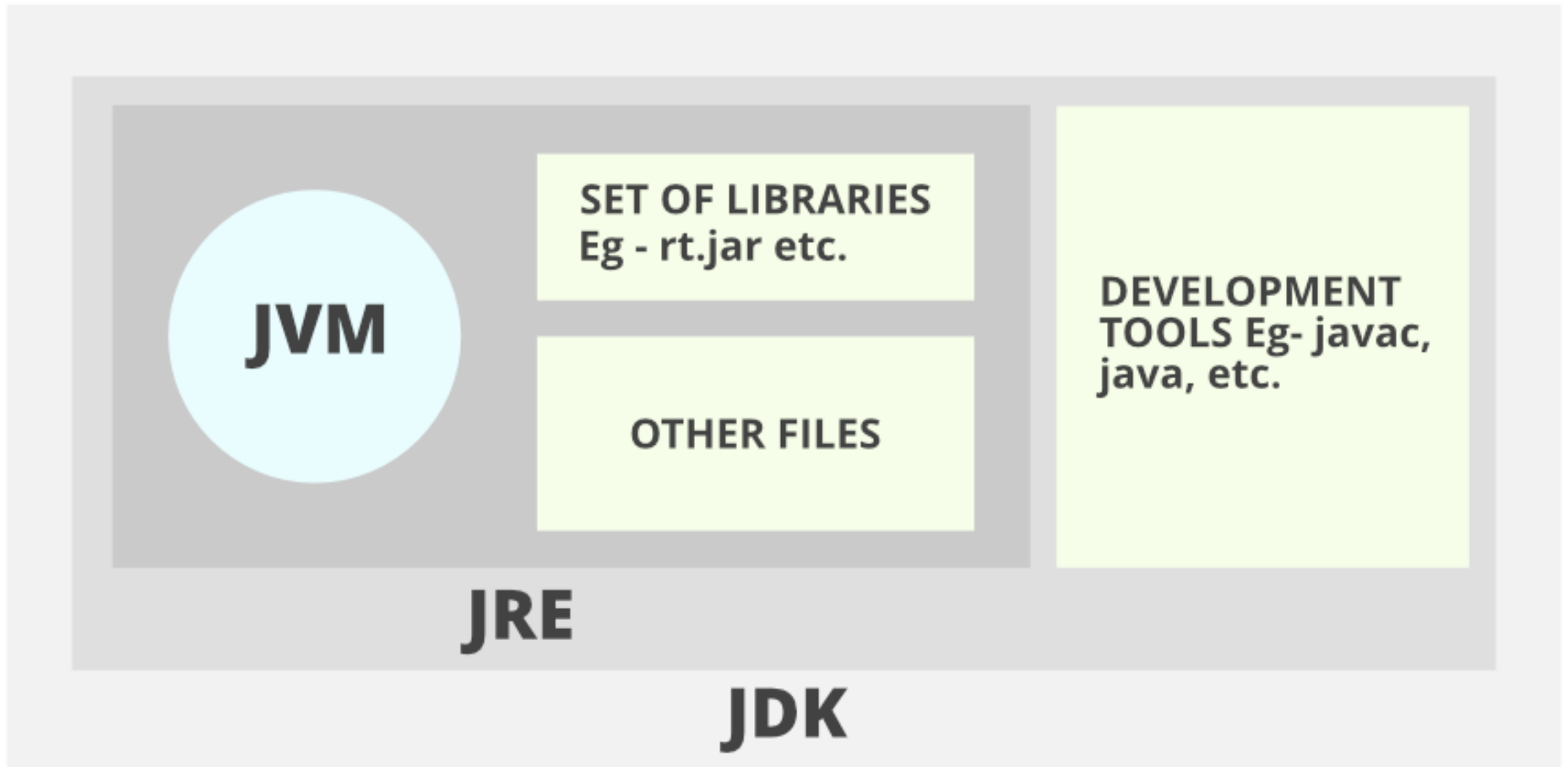
The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the J

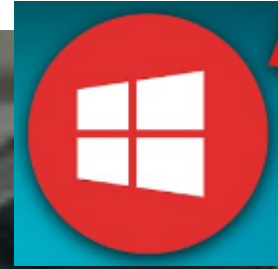
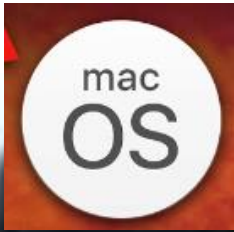
WARNING: Older versions of the JDK are provided to help developers debug issues in older systems. **They are not updated and are not recommended for use in production.**

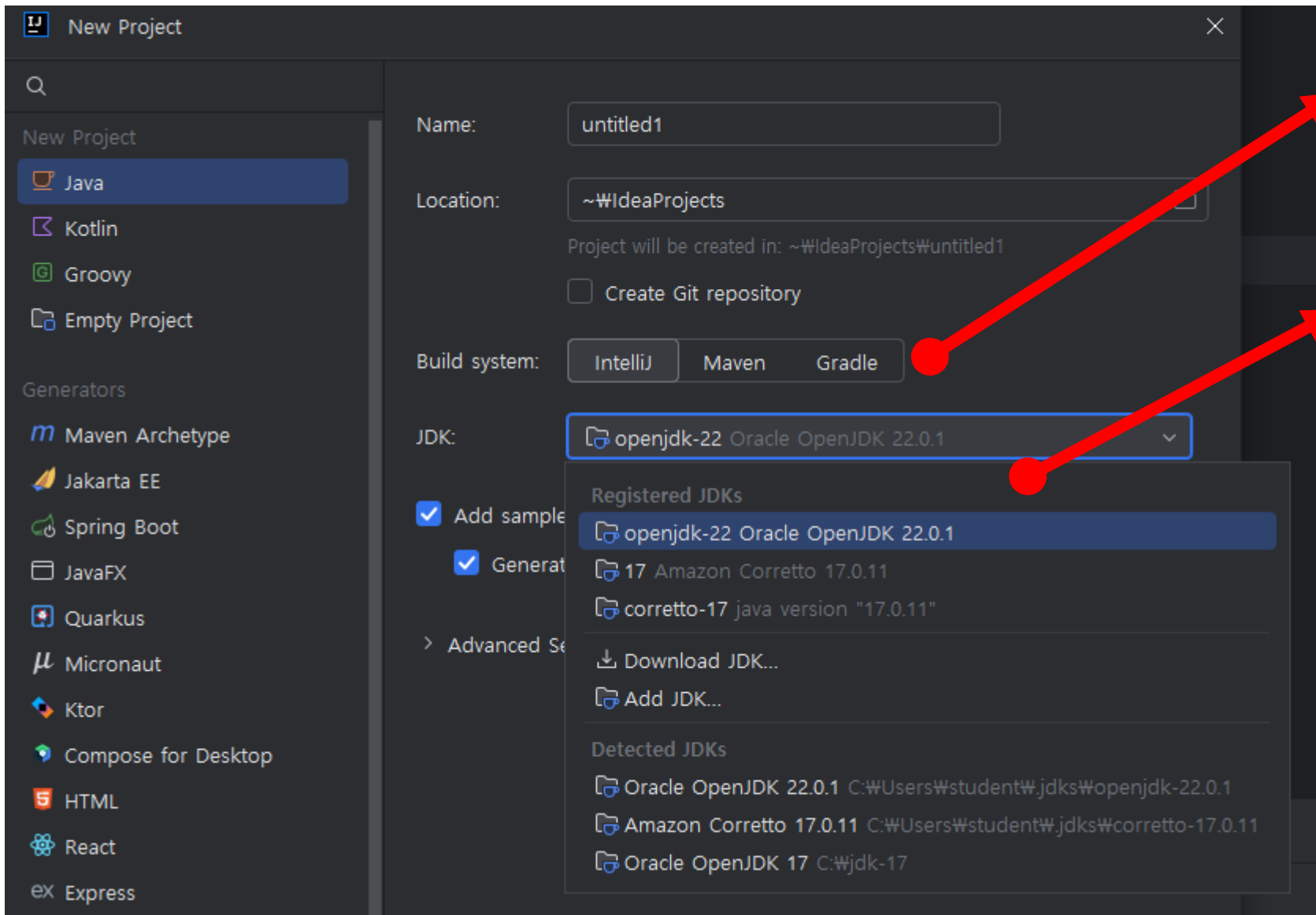
For production use Oracle recommends downloading the latest JDK version.

Only developers and enterprise administrators should download these releases.

For current Java releases, please visit [Oracle Java SE Downloads](#).







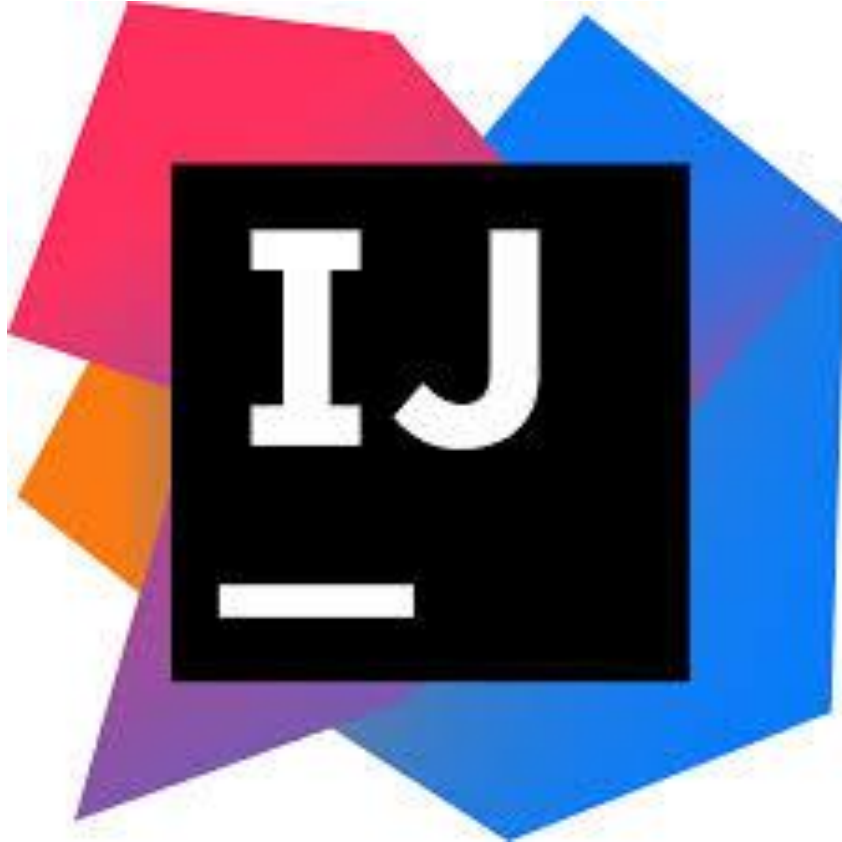
시스템 빌딩 수행

JDK 다운로드 및 버전 관리



그는...
신이야!!

IJ
—



컴파일

JDK 설치 및 관리

JAVA 프로그램 실행

코드 추천 및 디버깅

서버 마운트 및 스프링 관리



너는 나만 믿고 따라와~♪