

JVM

가.

JVM 가

- : (Specification) .
- : . JVM ,
- .java 가 javac java . ex) javac HelloWorld.java

가

- JVM
- 가 1
- .class .
- 가 ,

JIT

- JIT (Just In Time)
- , 가
- .

JVM

JVM 3가

1. (Class Loader)
 - JAM , Runtime Data Area
 - 3
 - 1. Loading
 - 1. (Bootstrap class loader) :

2. (Extension class loader) :
3. (Application class loader) :

2. Linking
1. (verify) : ,
가 .
2. (prepare) : 가 ,
3. (resolve) : (symbolic references)가 (actual references) .
3. (Initialization) : , .

1. (Runtime data area) :
1. METHOD AREA
2. HEAP AREA
3. STACK MEMORY
4. PC REGISTER
5. NATIVE METHOD STACK

1. JVM (JVM Execution Engine) : ,
1. INTERPRETER : , .
가
2. JIT COMPILER
3. GARBAGE COLLECTOR
4. JAVA NATIVE METHOD INTERFACE

JDK JRE

JRE	JDK
Java Runtime Environment	Java Development Kit
Java (Java Virtual Machine(가))	Java
Java	Java
JRE JDK 가	JDK JRE
JRE JVM, , Java 가	JDK JRE, API , Java , Webstart Java 가

Ref

Where can I get technical information about Java?
Java ?

JVM ARCHITECTURE
JVM
가 JVM(Java Virtual Machine

<https://blog.naver.com/hsm622/222138523668>
<https://jeongjin984.github.io/posts/JVM/>
https://github.com/league3236/startJava/blob/master/live_study/week1.md
<https://sowhat4.tistory.com/61>
<https://github.com/yeo311/java-study-with-whiteship/tree/main/week1>
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