JDK: java development kit (it is for development)

Javac: java compiler from .java to .class

Jar: zip multiple .class file to .jar

Java: start jvm, load class library, then execute class file

JRE: java run time environment (if just want to run java application, JRE is enough)

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| |  | | --- | |  |   JDK |  | JAVA Source Code | | | | | |  |  |
|  |  | Java | Javac | Java doc | Jar | Javap | JPDA |  |  |
|  |  | Tools & Tools API | | | | | |  |  |
|  |  | Java web start | | | Applet/Java Plug in | | | JRE | |
|  |  | Java SE API | | | | | |
|  |  | Java 虚拟机（JVM） | | | | | |
|  |  | Linux | Windows | Unix | Mac OS | Others | |
|  |  |  |  |  |  |  |  |  |  |
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|  | Edition | area |  |  |  |  |
| Standard Edition | JAVA SE | desktop |  |  |  |  |
| Enterprise Edition | JAVA EE | ERP CRM |  |  |  |  |
| Micro Editon | JAVA ME | android |  |  |  |  |
| Card | JAVA Card | Applets run on limited memory device like SIM Card | | | | |

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|  | Edition | area | develop environment |  |  |
| Standard Edition | JAVA SE | desktop | JDK |  |  |
| Enterprise Edition | JAVA EE | ERP CRM | SDK (intall on top of JDK) |  |  |
| Micro Editon | JAVA ME | android | JAVA ME SDK |  |  |
| Card | JAVA Card | Applets run on limited memory device like SIM Card | | | |

Java documentation link

<https://docs.oracle.com/en/java/javase/index.html> (API with all the history version of JAVA SE)

Java API document link

https://docs.oracle.com/javase/8/docs/api/index.html

Study plan draft 1

Graphical user interface

Description automatically generated