

JDK , JRE and JVM

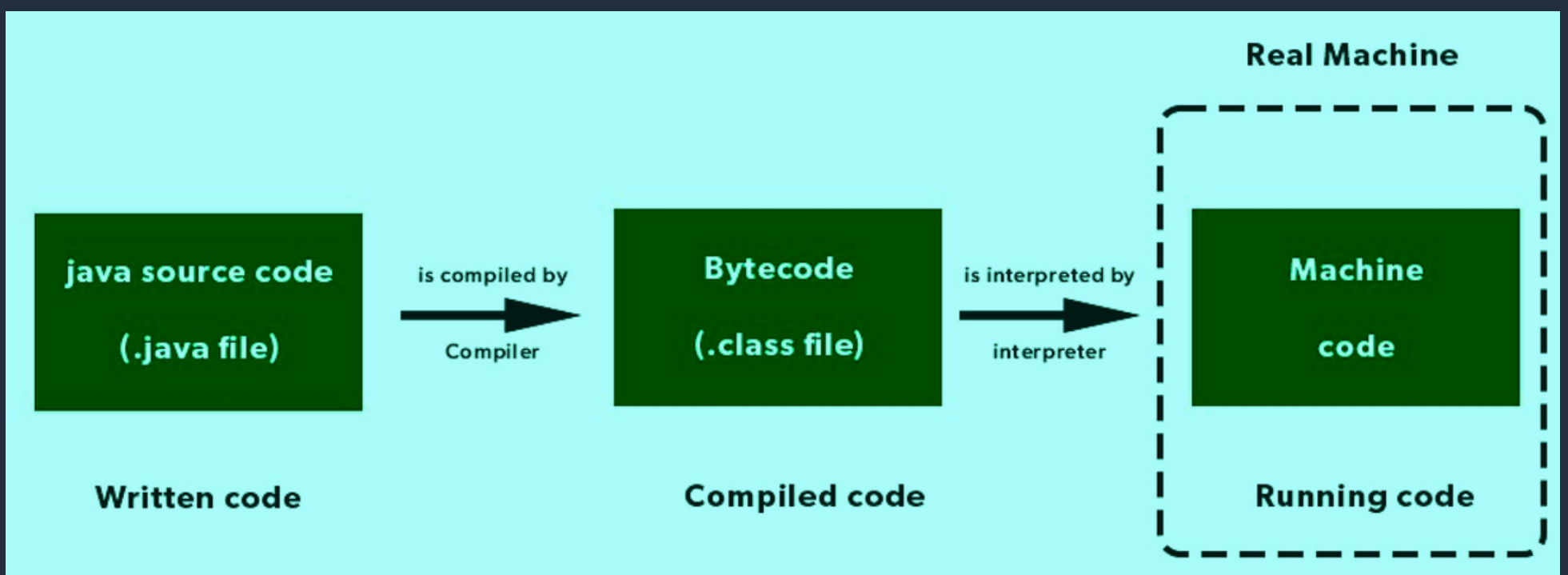


JDK (Java Development Kit), JVM (Java Virtual Machine), and JRE (Java Runtime Environment) It is important to know how each one plays a role in the Java development process

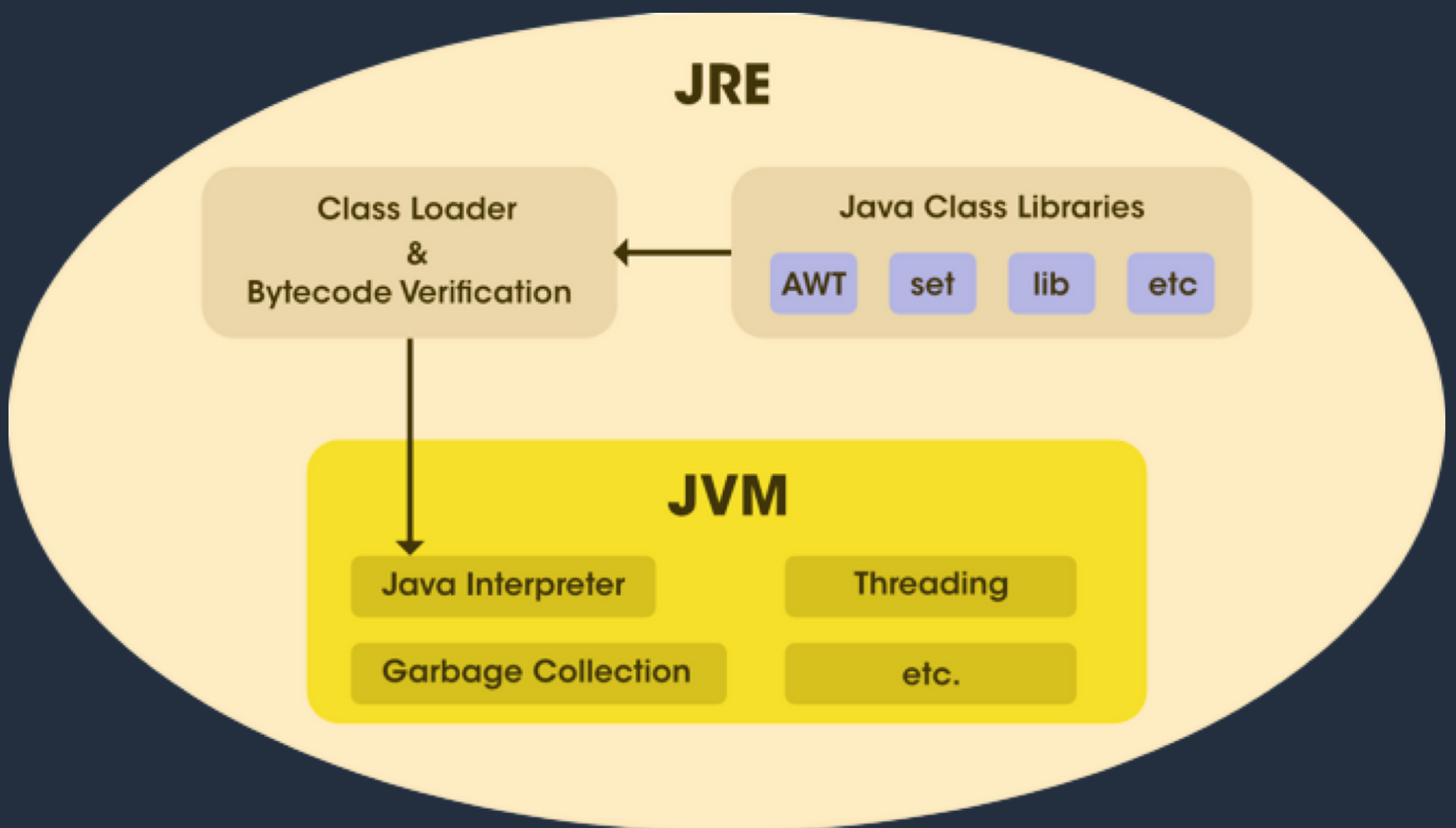
JDK is a developer package that contains the libraries required to develop applications in the Java programming language.

JDK contains JRE (Java Runtime Environment) and interpreter (java), a compiler (javac), an archiver (jar), a document generator (Javadoc), etc. contains several other resources such as

Javac converts a .java file into a .class file written in bytecode, a machine language for an imaginary machine known as the Java Virtual Machine.



Java Runtime Environment is a necessary software for users to run Java applications. It contains Java Virtual Machine and Java libraries



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Applications developed with Java can run without a JDK. JRE contains the infrastructure necessary for applications to run.