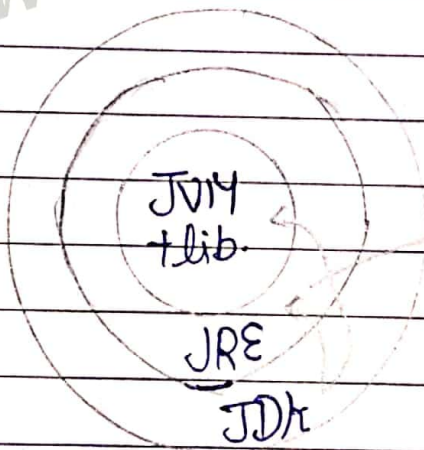


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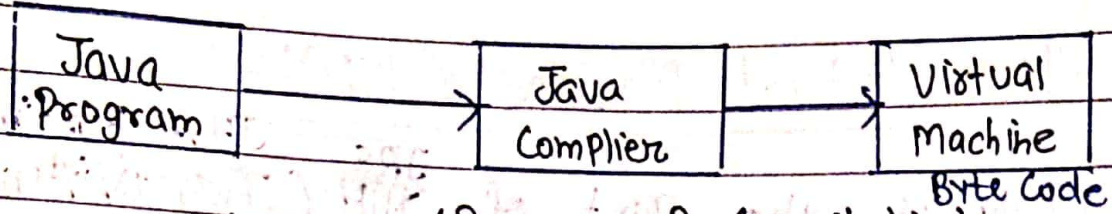
## \* JAVA Virtual Machine (JVM):-

- JVM is the part of <sup>JRE</sup> ~~JDK~~ JAVA Runtime Environment.
- JVM stands for "JAVA Virtual Machine".
- It is a specification that provides runtime environment in which Java bytecode can be executed.
- JVM acts as a runtime engine to run Java applications.

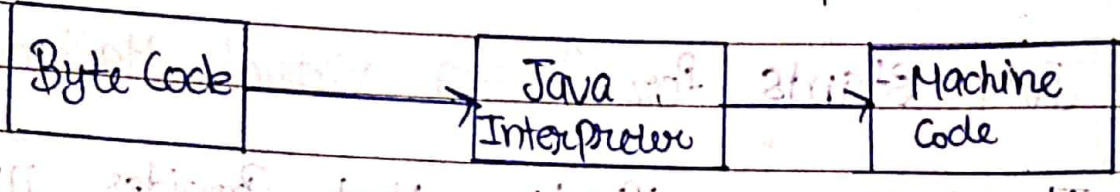


$$\begin{aligned} \text{JRE} &= \text{JVM} + \text{Library} \\ \text{JDK} &= \text{JRE} + \text{JVM} \end{aligned}$$

- JAVA applications are called WORA (Write Once Run Anywhere). This means a programmer can develop Java code on one system and run on any other Java-enabled system without any adjustment. This is all possible because of JVM.



(Process of Compilation)



(Process of converting byte code into machine code).

Real machine

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