Flow of Execution of Java Program :-

Source Code

HLL → Java Compiler → Byte Code → JVM → MLL → [ ] → Output

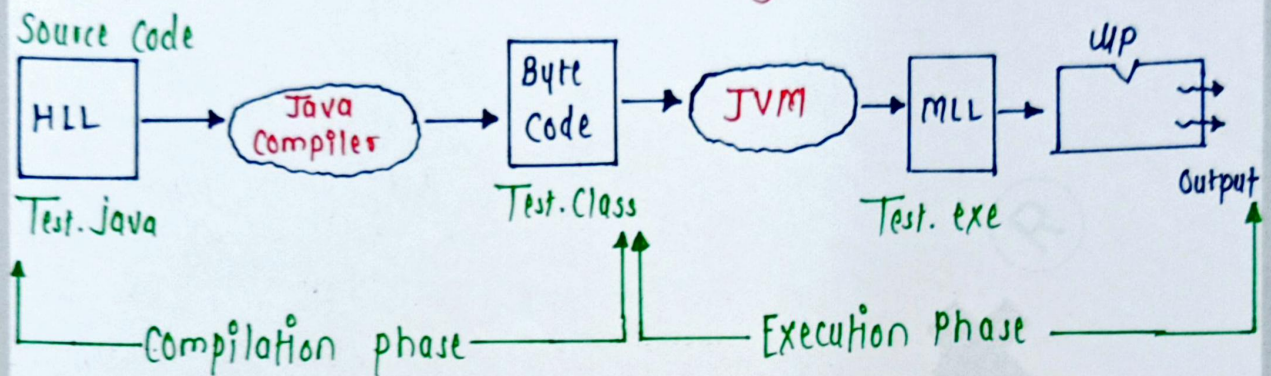Test.java   Test.Class   Test.exe

⌐———— Compilation phase ————┐   ⌐———— Execution Phase ————┐

• **Writing the Code :** Write the Java Source Code in a text editor or an Integrated Development Environment (IDE). Save the code with extension — '.java'. For example `Test.java`

• **Compilation :** The Java Compiler is used to translates the human-readable Java Code into bytecode, which is a low level intermediate representation of the code that can be executed by JVM (Java Virtual Machine)

Command to compile the Code :- javac MyProgram.java

• **Loading and Verifying:** The JVM converts byte code into Machine level language (Test.exe) & the JVM ensures that the bytecode is Safe to execute & does not violate any Security Constraints.

• Next, the Test.exe (Executable file) will be executed & gives the Output.