Open File Explorer

My Computer > Right Click

Properties

Advanced Settings > Environment variables

User variables, system variables

Click on New -> path -> Till bin of java

Testing -> javac -version & java -version

1990 - > Green Project

1991 -> Released -> OAK

1995 - > Java / Silk / DNA

Python -> 1991

Not portable

Write Once Run Anywhere (WORA)

Binary files-

java -> execution of bytecode

javac -> compiles java file

javadoc -> generating documentation

jar -> java archive

JDK -> binary files + system library + JRE

javac

.java -> .class (bytecode) -> Compilation -> java command -> machine code

JRE -> Java Runtime Environment -> JVM (Java Virtual Machine)

javac <filename.java>

java <class name>

Bytecode execution -

1. Linking and loading -> 10000 classes given - 1-1.5 k loaded atleast + B.class + C.class + static things

2. Bytecode verification

3. Execution -> machine code

4. Execution of machine code