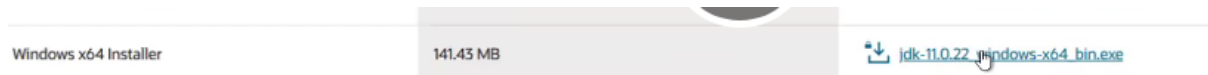


intro to java --

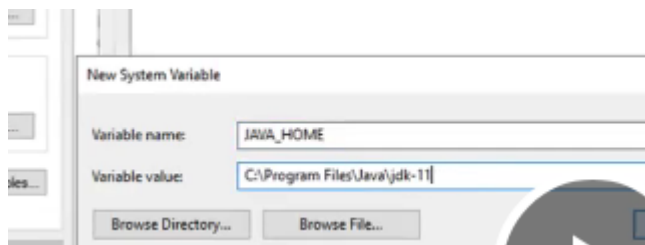
jdk 11 needed minimum officially needed.

```
→ new
→ new java --version
java 11.0.18 2023-01-17 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.18+9-LTS-195)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.18+9-LTS-195, mixed mode)
→ new
```

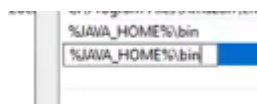
install java –



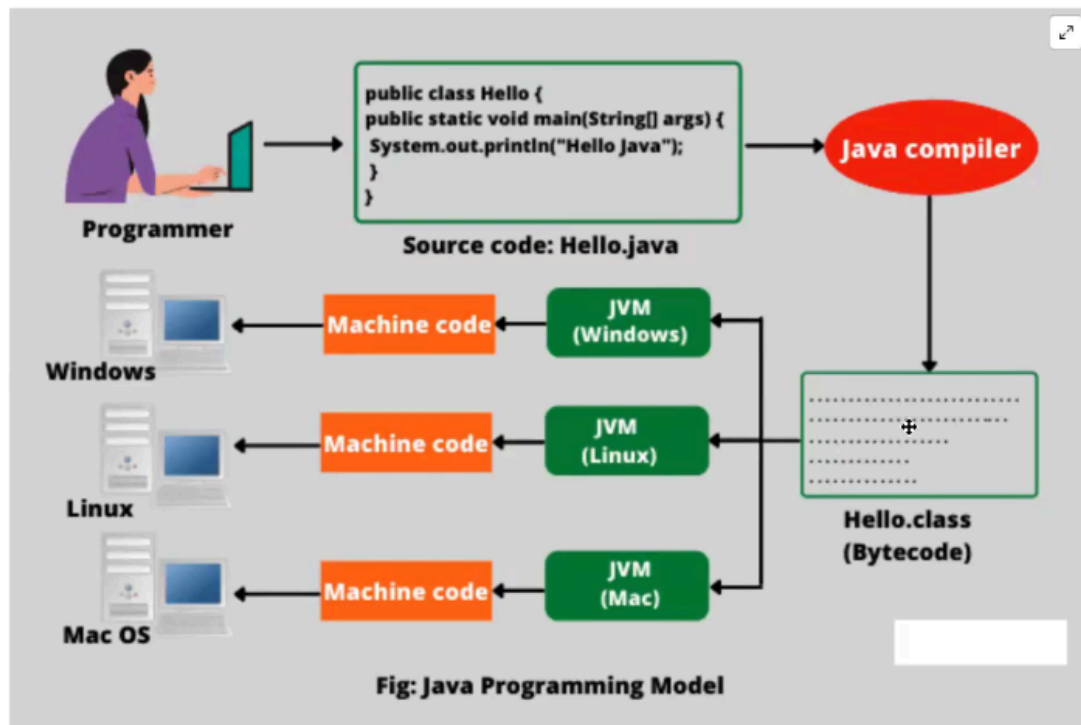
add java\_home variable –

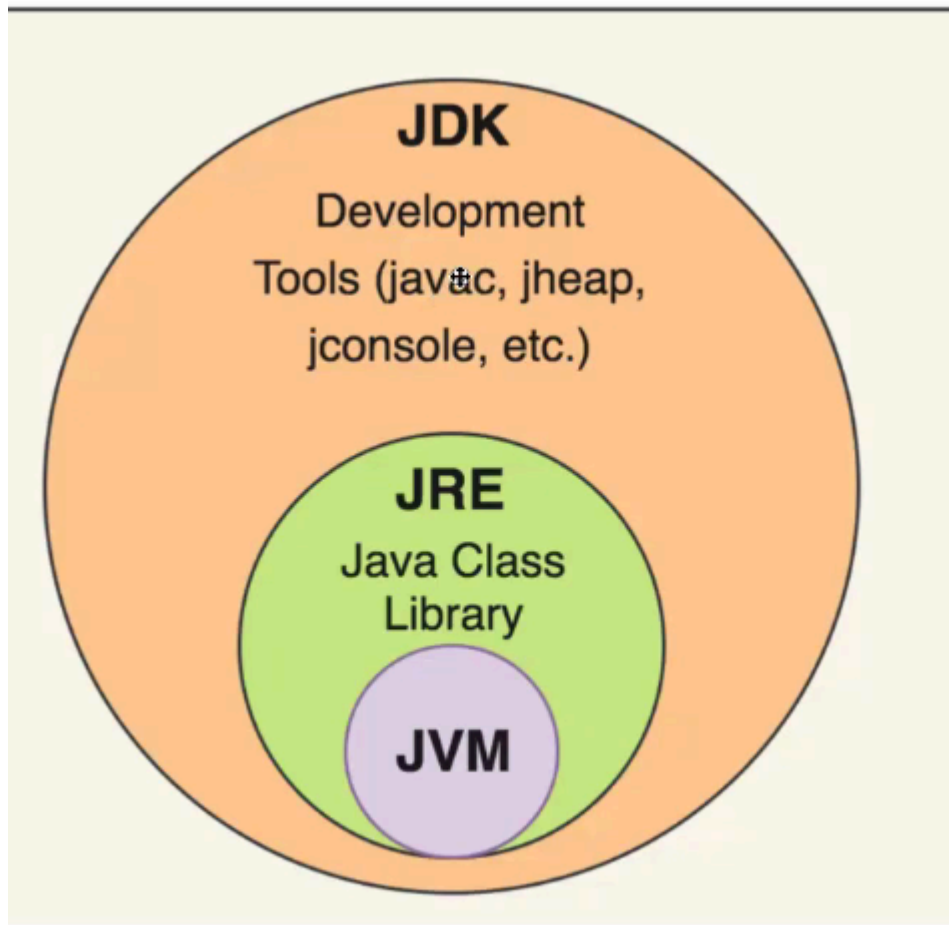


add in path-

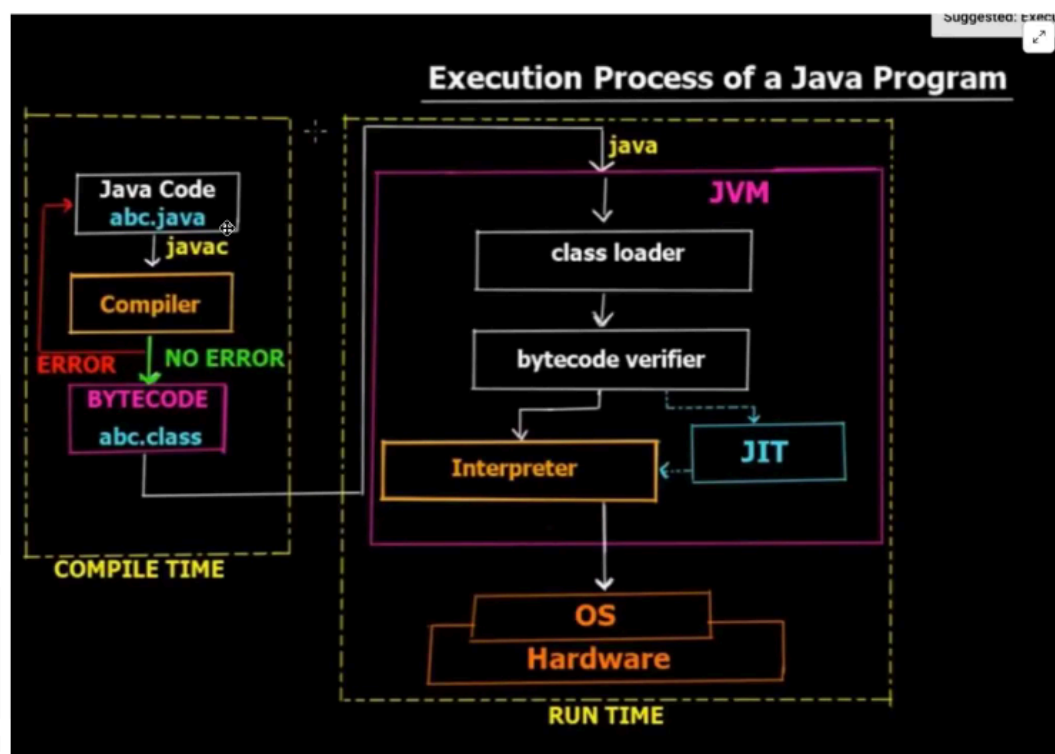


```
5  
6 JDK (Java development kit): design + execution  
7  
8 JRE: Java Runtime Environment: execution  
9  
0 JVM: Java Virtual Machine  
1
```

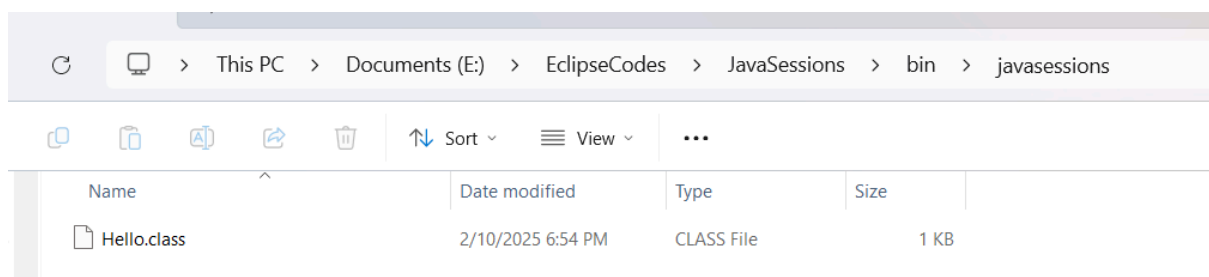




```
14
15
16 JDK (Java development kit): design + execution --> JRE+JVM + javac+other tools: independent
17
18 JRE: Java RunTime Environment: execution: class, libs, runtime env(interpreter)
19
20 JVM: Java Virtual Machine(platform dependent)
21
```



byte code generated for every java file –  
our code is source code.  
.class is byte code.



Contents of class file-

