

Platform Independent

H/w Engineer

Platform

H/w + S/w

MP + OS

Eg: intel i9 + Windows 10
AMD Ryzen 9 + Linux
IBM Power10 + Macintosh OS

S/w Engineer

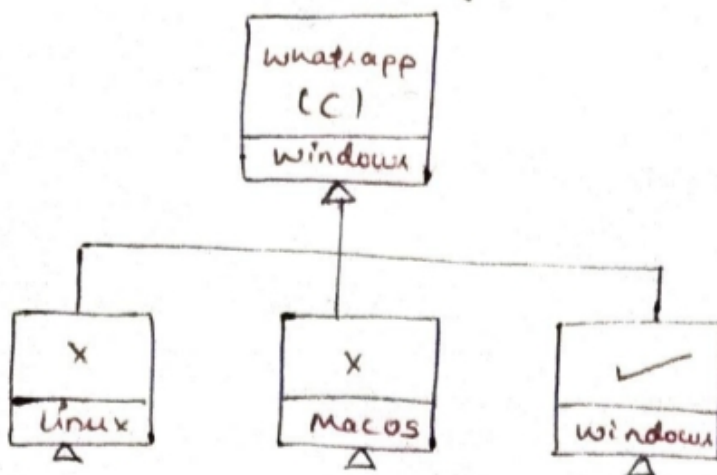
Platform

S/w

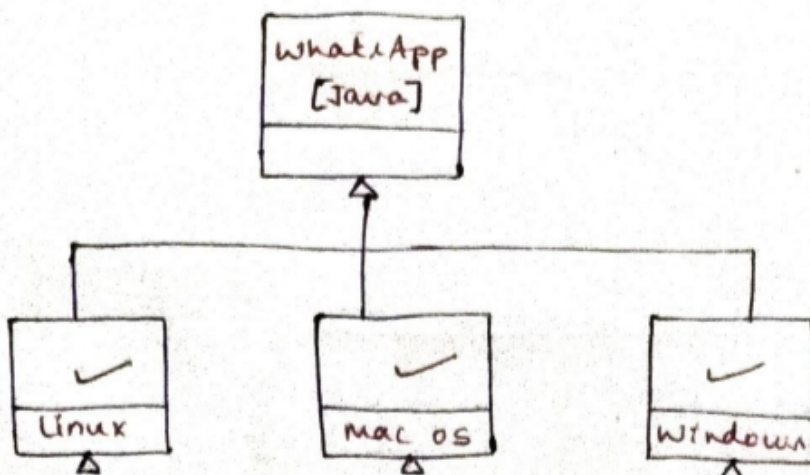
OS

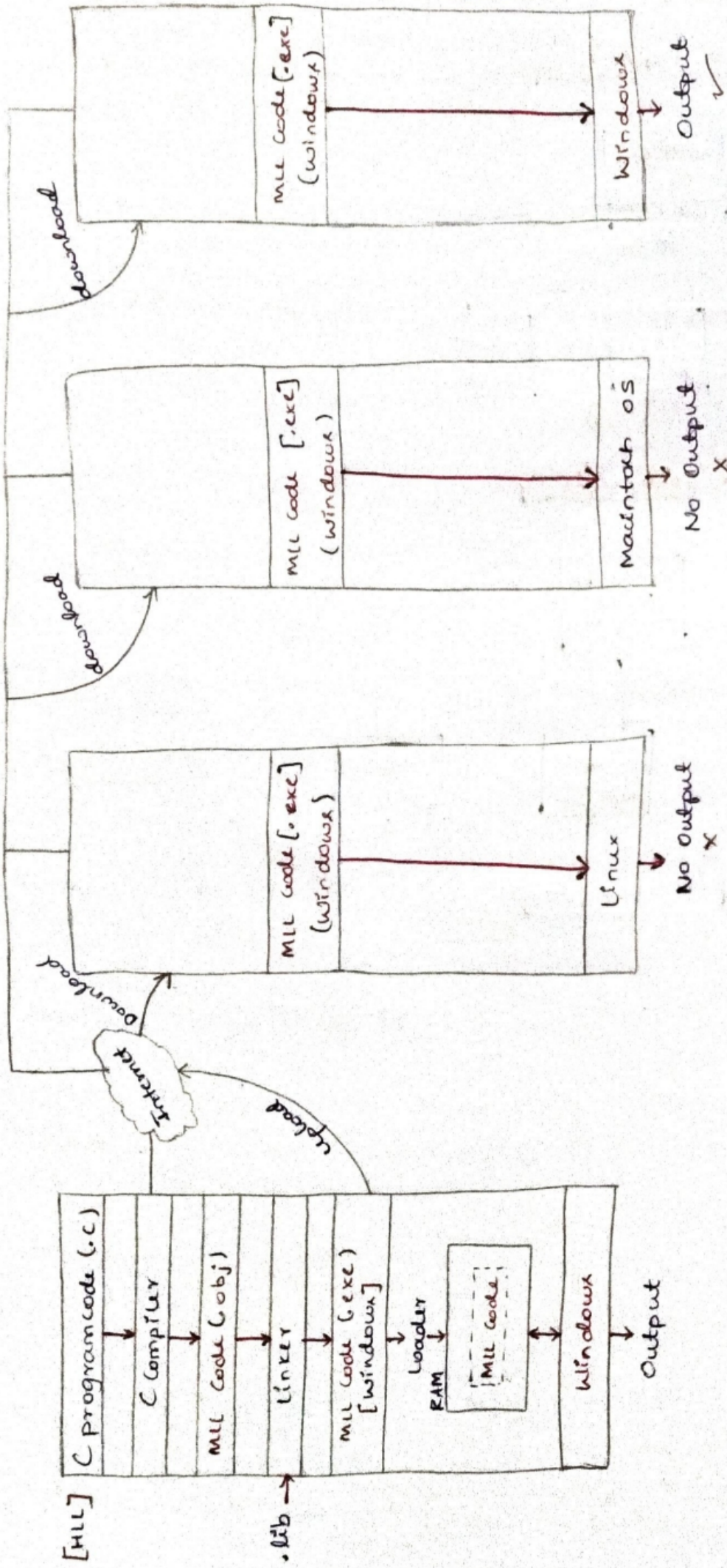
Eg: Windows 10
Linux
Macintosh OS

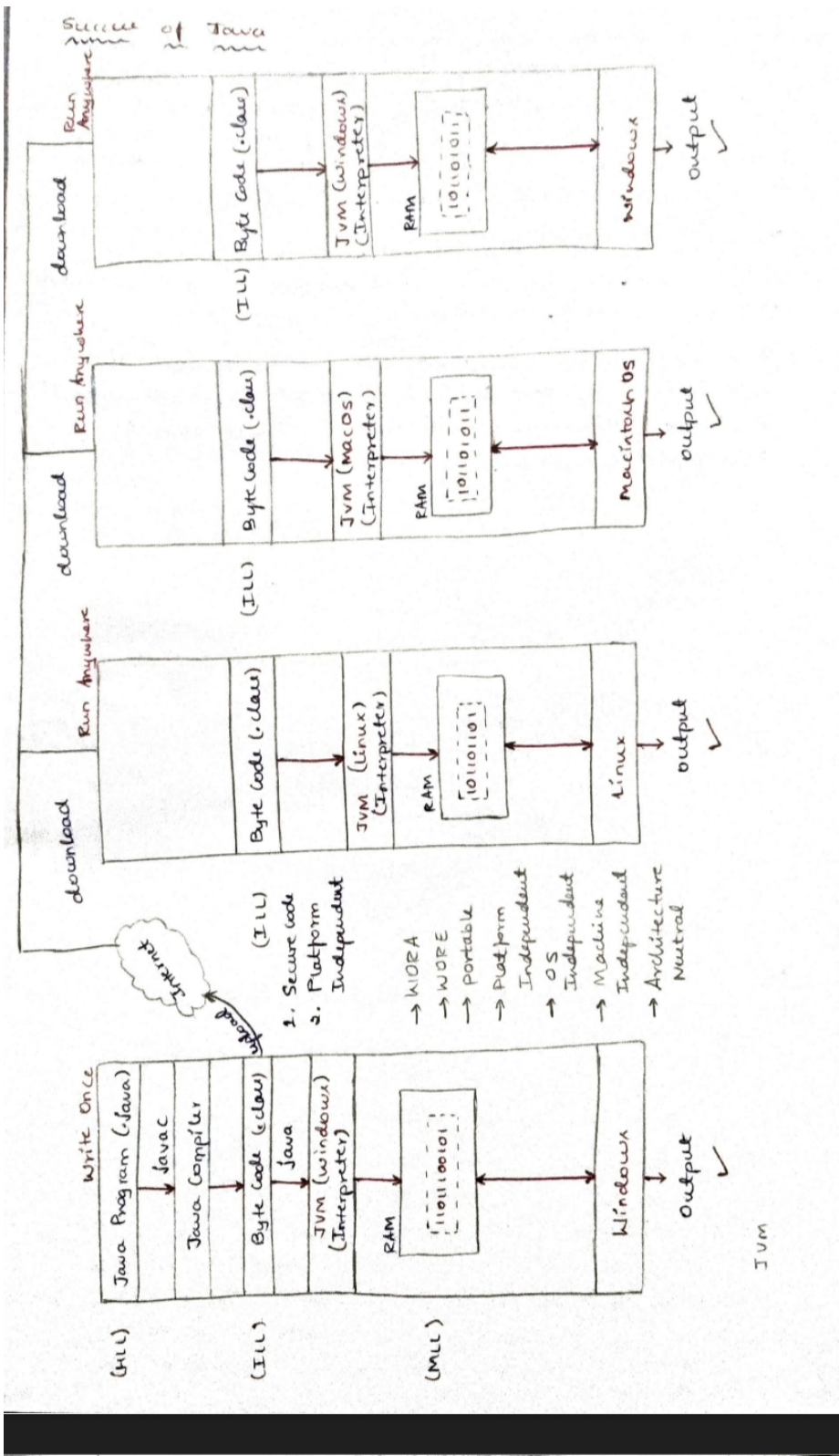
Platform Dependency



Platform Independency







⇒ Java is a platform Independent Programming language. When a high level language java program is compiled using the java compiler, the java compiler would convert the HLL code into Byte Code. This byte code is the Intermediate level code which is neither in HLL nor in MLL, they are in between both.

⇒ Byte Code is the 'Secure Code' and it is 'Platform Independent'. Hence, it is best suited to be transported over the internet.

⇒ Java virtual Machine (JVM) is used to convert the byte Code into MLL Code. JVM is a "platform dependent" software. Hence, we can't have a single JVM for all operating systems.