

what is difference between MLL and byte code?

MLL -> contains instructions in 0's and 1's

Bytecode -> It contains instructions neither in HLL nor in MLL

what is architectural neutral?

Write code once in any platform and run the code in any other platform without worrying its architecture.

Architectural neutral -> Write Once Run Anywhere(WORA)

what is jit?

JIT -> Just In Time Compiler(reference to JDK Architecture)

jvm comes between the platform to make independent...where c sticks...

on which level. briefly explain please

C language -----> compiler----- -> .obj file(contains instructions in MLL)

JavaLanguage---> JavaCompiler -->.classfile(contains instruction neither in MLL nor in HLL)

.obj file -> windows(run)

-> linux(no output)

-> mac(no output)

Architectural Neutral/Platform independence/WORA

.classfile -> JVM(windows)

-> JVM(linux)

-> JVM(mac)

can u explain about the how the jvm works?

.class file(byte code) -> JVM (reads bytecode in interpretation style)

sir jvm is platform dependent ?

yes jvm is platform dependent.

sir wht is obj oriented lang?

Obj oriented language means writing the code using the principles of OOPS.

eg: inheritance, polymorphism, abstraction, ...

Q>

If we compiled our app in jdk18 and uploaded it in the cloud. Will it cause problems in the future after it is not supported?

No probs becoz java provides backward compatibility.

Q> jvm contains java compiler or java compiler is separate?

JDK => Compiler + JRE

|=> JVM + library tools

Developers(JDK) -> write the code ,test the code and run the code.

Enduser(JRE) -> just run the code

Q> can you explain how java works as interpreter in depth?

.java ----> .classfile -----> JVM(interpreter)

| -> line by line

execution.

Q> Can you explain what is HLL if possible is it source code or bytecode?

.java(sourcecode/HLL)

|
|compiler

|
.class(bytecode/neither MLL nor HLL)
|
JVM
|
output

Q> Sir what is command to check java version
java -version

Q> Sir Java LTS version automatically updates or we need to uninstall the
version and install the latest version of LTS?
uninstall and install(suggested to just install jdk11(LTS))

Q> Can we see file containing Machine Level Code Sir like how u showed for
Byte Code?
yes possible, but not in java(becoz output file is not generated in
java)

Q> sir what is jar?
jar -> Zipping of .class files is called as "jar" file
It stands for Java Archive file

Q> is .class file is a complete code??
.class file is not complete file, internally it becomes complete with
the help of JVM.

Q> what is flash memory sir?
It is ROM data(Read Only memory).
It is a information w.r.t vendors(linux, unix, fedora, windows, mac)