M T W T F S S

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Date: 10/10/25

Q) Why softwares made using C or C++ languague are platform dependent.

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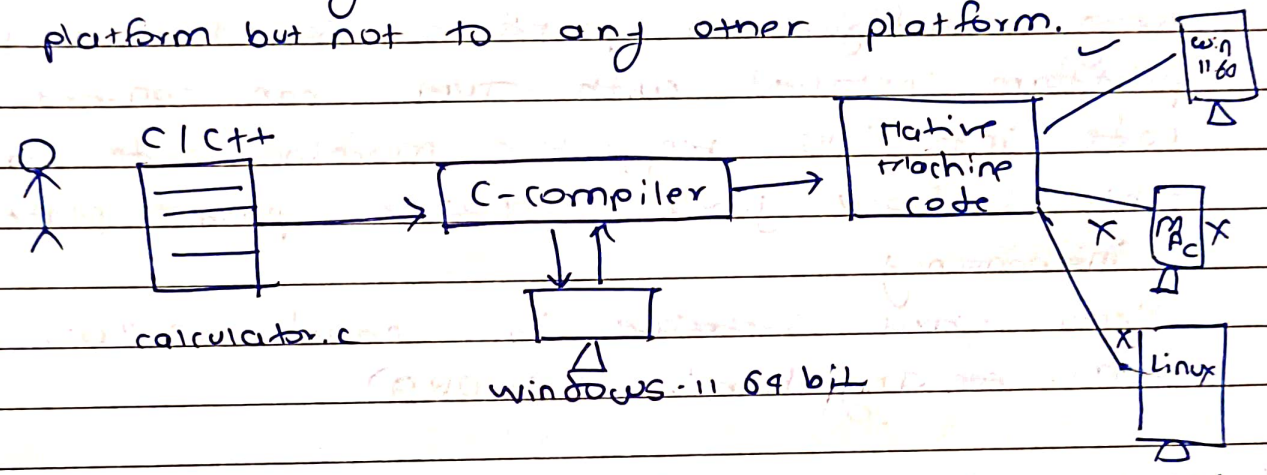
If a programmer write a file with .c/.cpp extension and gives it to compiler, a compiler will create a .exe file which contain native machine code. This native machine level code is only understandable to native configuration platform but not to any other platform.



~~If a programme write a pegam in c/c++ language~~.

Hence, C/C++ platform is platform dependent.

Q) Why softwares made using Java are platform intrpendent.

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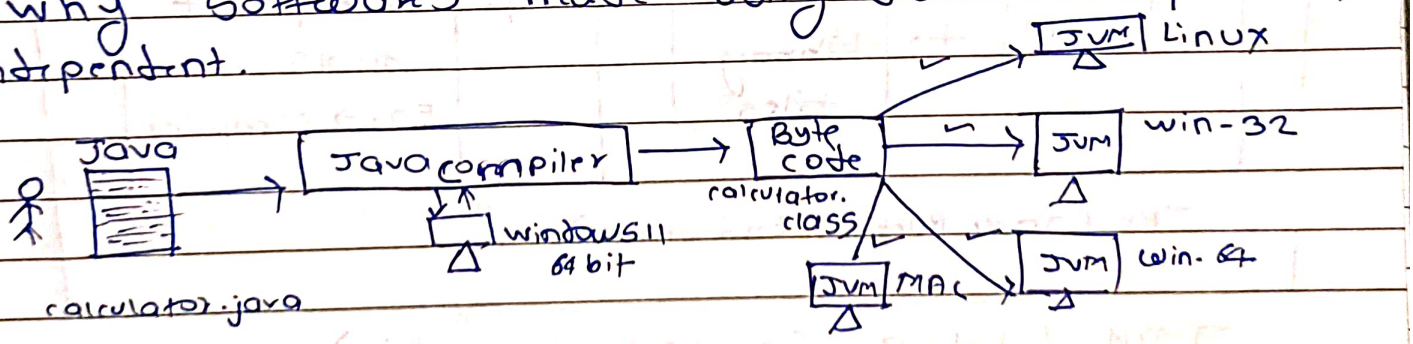


If a programmer write a program using java and saves it with .java extension and then gives it to the java compiler then java compiler convert it into byte code.

Byte codes are created with .class extension, which are neither understandable by human or machine.

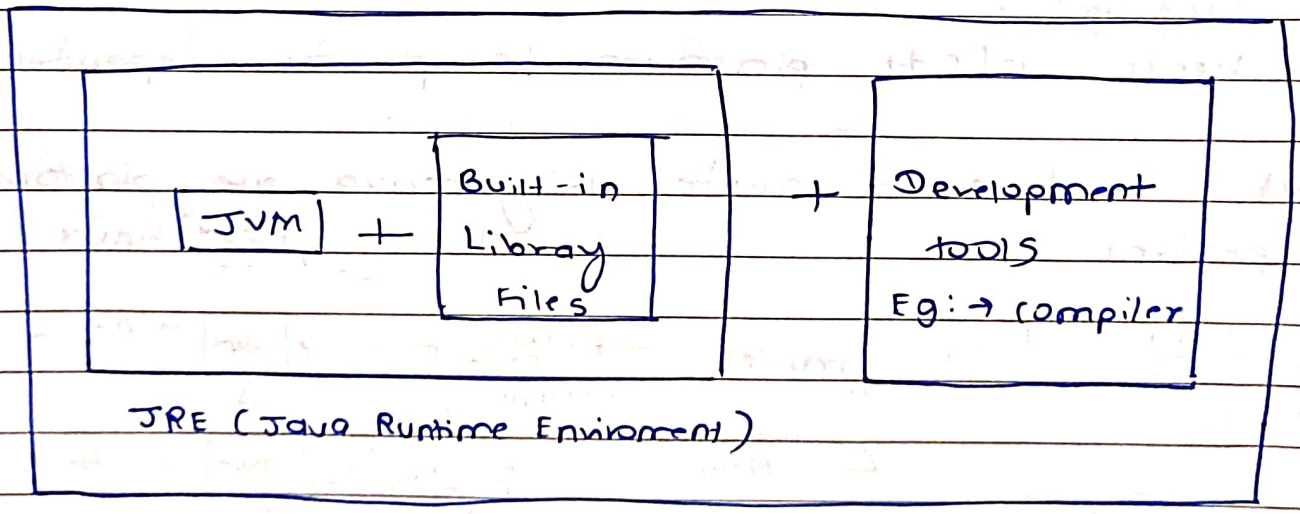
but it can be understood by machine which contains JVM.

JVM is a java virtual machine which is an interpreter, which convert .class file into Respective machine level language.

- creaters of Java have created JVM for every configuration platform so that any platform installed with JVM can convert byte code into it's respective machine code language, this is how java software provs platform independency.

Herre, Java software is called as "write once run anywhere". (WORA)

JDK Architecture (Java Development Kit).



JDK (Java Development Kit).

JVM :→ It is an interpreter used to convert Byte code into machine level code line by line, JVM is present inside JRE.