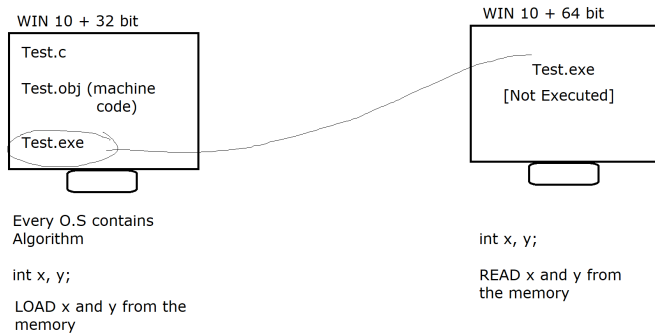
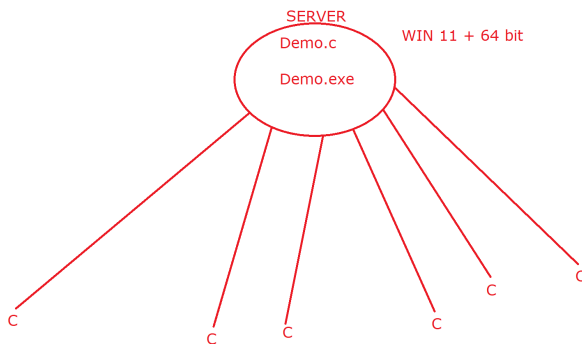


**\*\*What is platform independency in java ?**

\* C and C++ programs are **platform dependent programs** that means the .exe file created on one machine will not be executed on another machine, If there is a change in system configuration.



\* C and C++ programs are portable (will be executed on another machine if we have exact configuration) but not platform independent.

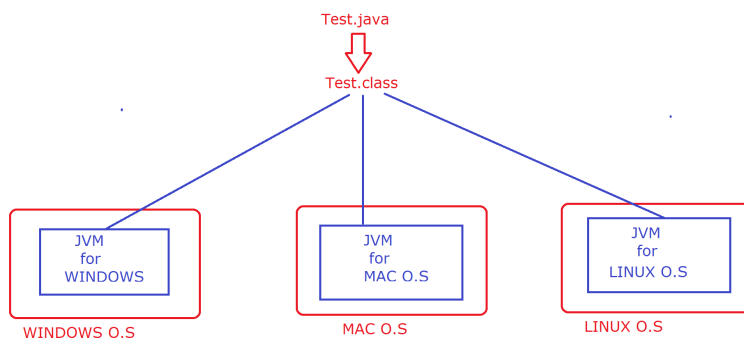
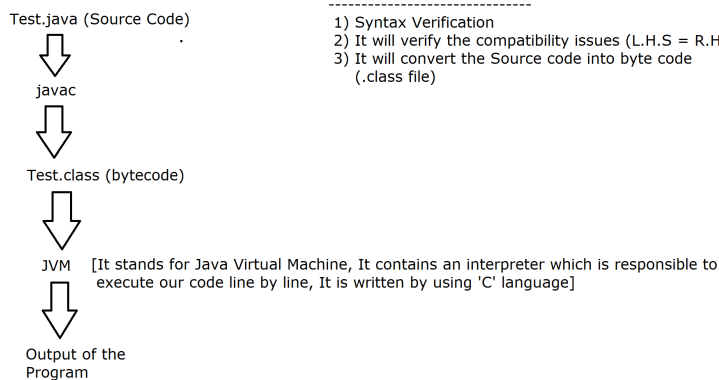


\* C and C++ programs are not suitable for website development but highly suitable for the development of stand-alone applications like O.S, compiler, interpreter, translator and so on.

**How Java is platform independent ?**

**The Role of Java compiler :**

- 1) Syntax Verification
- 2) It will verify the compatibility issues (L.H.S = R.H.S)
- 3) It will convert the Source code into byte code (.class file)



\* JVM is platform dependent, We have a separate JVM for all operating system. The role of JVM is very important because It converts the .class file (byte code) into appropriate operating system format (bit code)

\* All the browsers are supporting JVM, those browsers are known as JEB (Java Enabled Browser) browsers.