

Advantages of Methods :

2) Modularity :

Dividing the bigger task into number of smaller task where each task can perform independent function.

2) Easy Understanding :

Once the task is divided into number of individual modules then it is easy to understand the entire program.

3) Reusability :

We can reuse a particular module for 'n' number of times. In java we can reuse java classes.

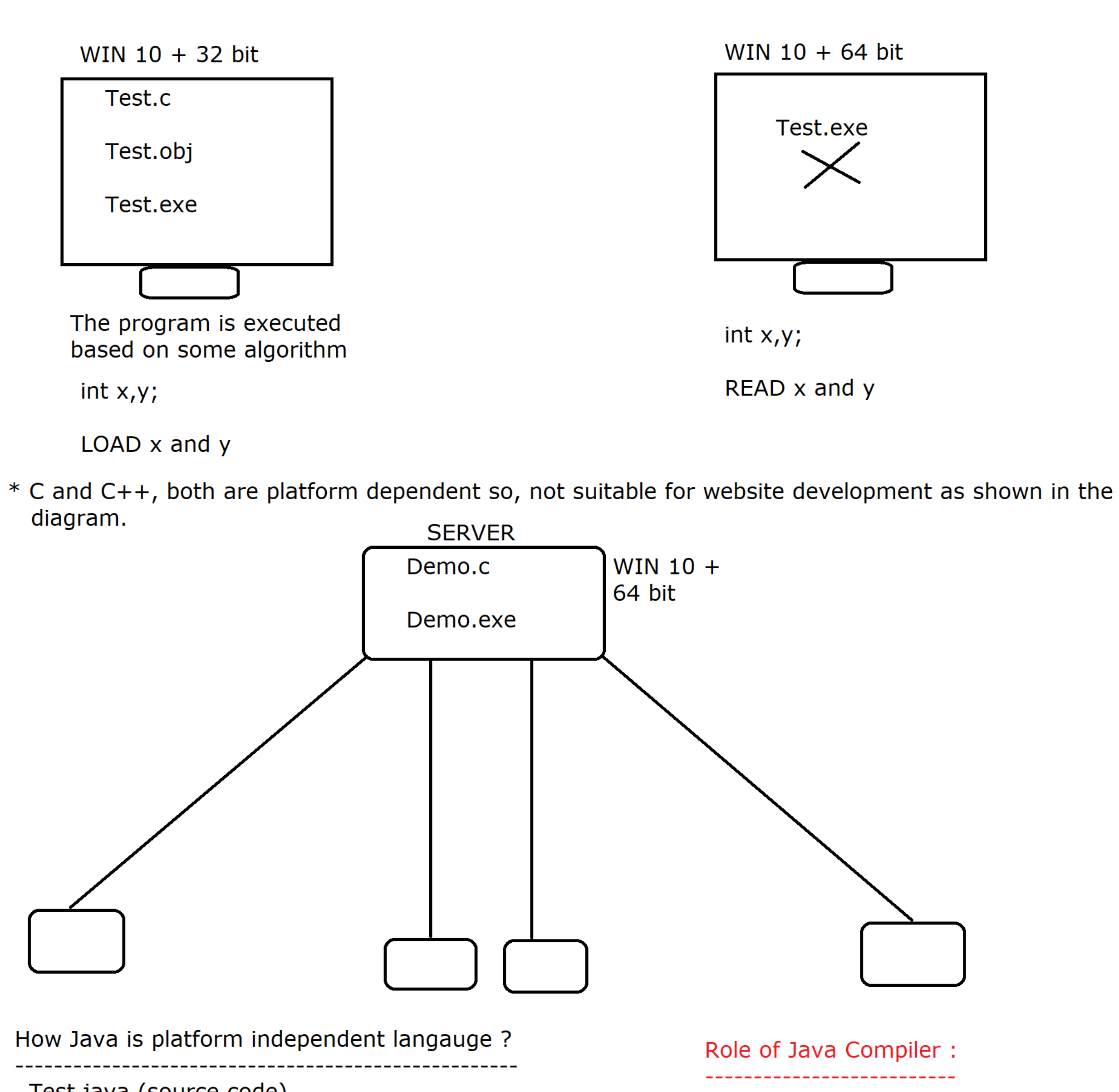
4) Easy debugging :

One module is isolated with another module so de-bugging becomes easy because we can debug a particular for syntax OR Semantics verification.

What do you mean platform independency in java ?

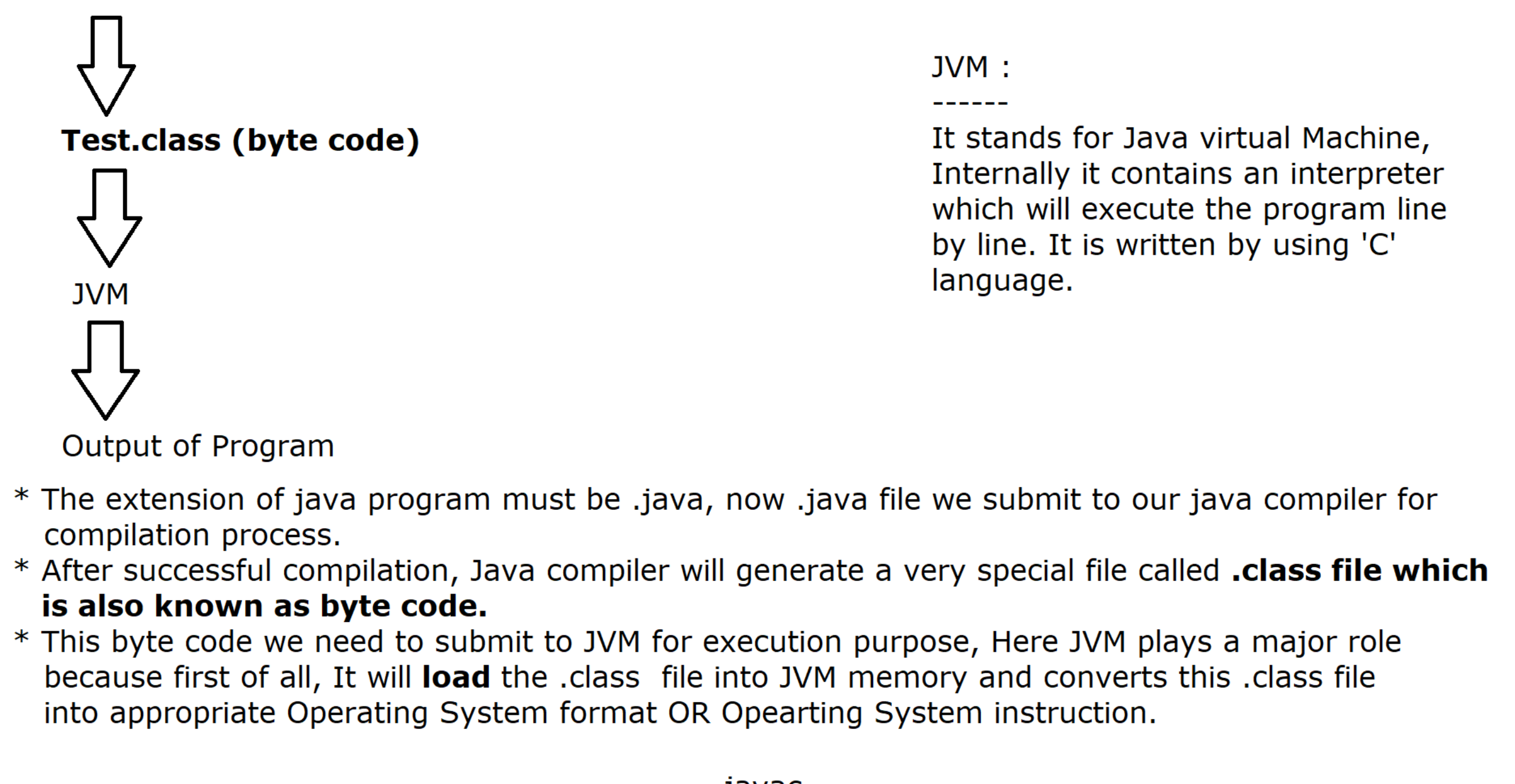
C and C++ programs are platform dependent programs because for execution purpose it depends upon same system configuration.

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++, both are platform dependent so, not suitable for website development as shown in the diagram.

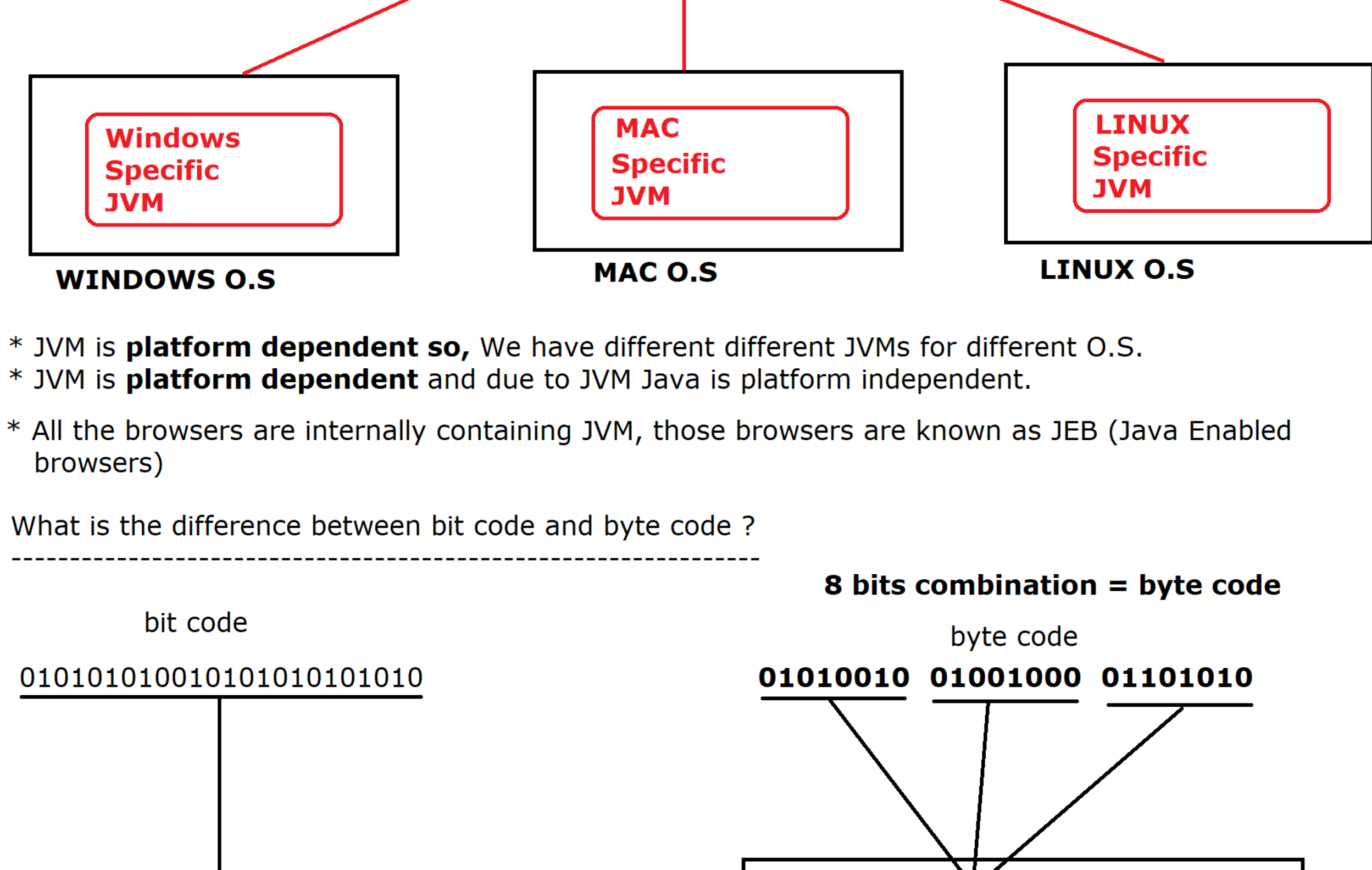
How Java is platform independent language ?



The extension of java program must be .java, now .java file we submit to our java compiler for compilation process.

After successful compilation, Java compiler will generate a very special file called .class file which is also known as byte code.

This byte code we need to submit to JVM for execution purpose, Here JVM plays a major role because first of all, It will load the .class file into JVM memory and converts this .class file into appropriate Operating System format OR Operating System instruction.

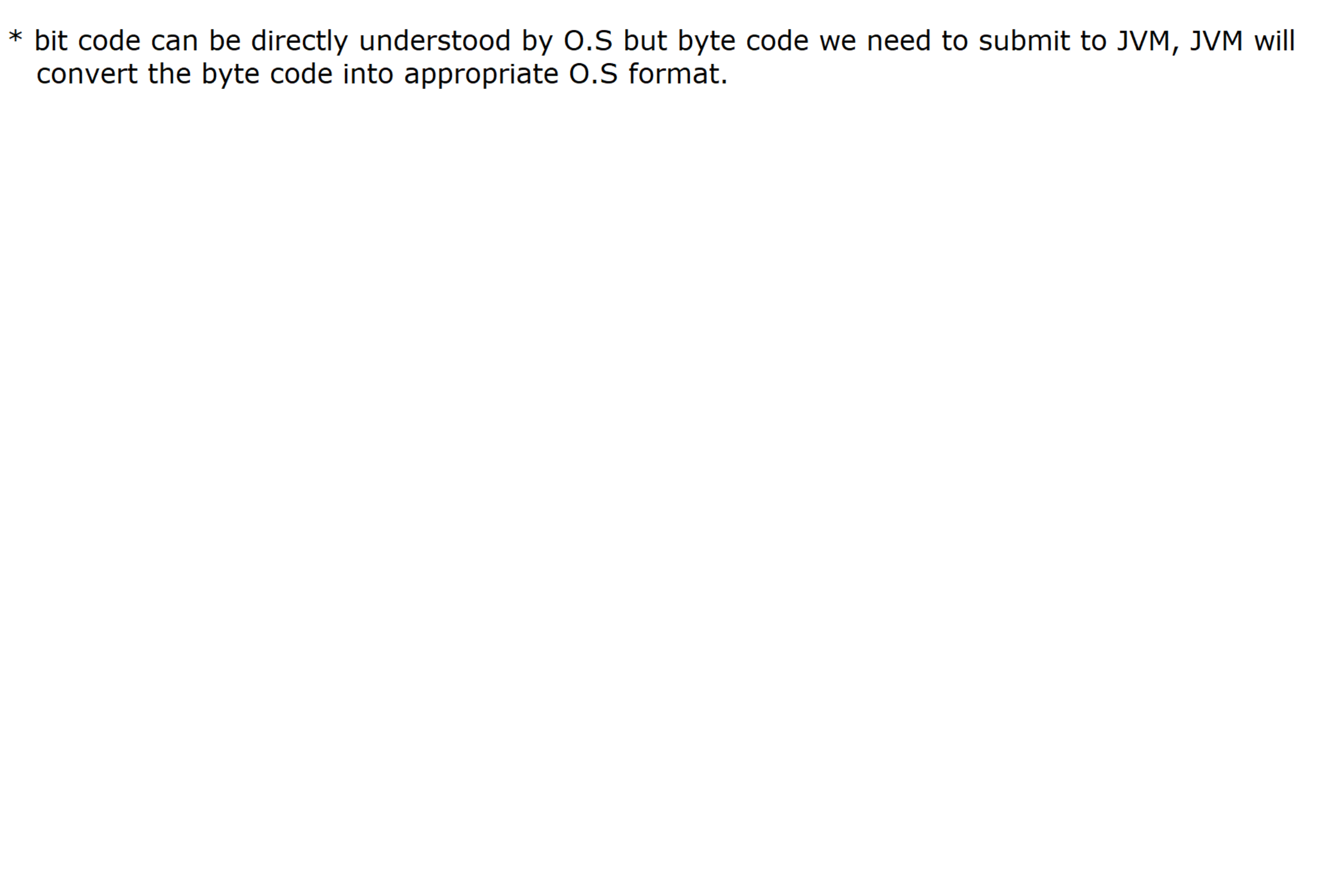


JVM is platform dependent so, We have different different JVMs for different O.S.

JVM is platform dependent and due to JVM Java is platform independent.

All the browsers are internally containing JVM, those browsers are known as JEB (Java Enabled browsers)

What is the difference between bit code and byte code ?



bit code can be directly understood by O.S but byte code we need to submit to JVM, JVM will convert the byte code into appropriate O.S format.