JAVA COMPILATION PROCESS

Java is the programming languange which called a high level language. Before they can tun, programs in high level language have to be translated into low level language, also called machine language. Two kinds of programs translate high level language into low level languages are interpreters and compilers. An interpreter reads a high level program and executes it, meaning that it does what the program says. In contrast, a compiler reads the entire program and translates it completely before the program starts running.

The Java compiler is a program named javac. It translates .java files into .class files that store the resulting byte code. The Java interpreter is another program, named java which is short for Java Virtual Machine (JVM). We writes source code in the file Hello.java and uses javac to compile it. If there are no errors, the compilers saves the byte code in the file Hello.class. to run the program, we uses java to interpret the byte code. The result of the program is then displayed on the screen.

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