

Compiler & interpreter

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Java is a high level language.so machine can not understand these language, we have to convert it into machine level for this we need compiler.

Transmission from source code to machine code is done by program called compiler.

Source code ---- compiler----- target language

Target language ----- machine code (c, c++)

----- bytecode (java)

----- programing language

Source code ----- compiler ----- machine code ---- cpu ----- results

Source code ----- interpreter ----- result

Interpreter is a virtual machine.

Fetch & excute cycle.

Java software family:-

Java se

Java ee

Java me

Jdk:-

Java development tool + jvm + java api