



What is the difference between Compiler (Javac) and Interpreter (JVM contains Interpreter)?

**Compiler :**

- 1) Reads file by line.
- 2) Will convert the SFC into byte code.
- 3) Byte code is generated. It needs a separate memory.
- 4) It displays all the errors and warnings at a time.
- 5) No, debugging is done.
- 6) After successful compilation, execution is done.
- 7) After successful compilation, We can delete the source code.

Note : Java uses compiler and interpreter.

**Interpreter :**

- 1) Will convert the file into an intermediate form.
- 2) Will convert the byte code into O.P. format.
- 3) And then the byte code line by line.
- 4) It will display only one runtime error at a time.
- 5) No, debugging is done.
- 6) It will convert the file into an intermediate form.
- 7) It will convert the byte code into O.P. format.
- 8) It will display only one runtime error at a time.
- 9) No, debugging is done.
- 10) After successful compilation, We can delete the source code.

Note : Java uses compiler and interpreter.