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- 1. (aa)* (b (aa)*)* OR ((aa)* | b(bb)*)*
- 2. ((a|b)*(b)) | (((a|b)(b))*(a))
- 3. (a?b)*
- 4.
- 5. It can not be constructed.
- 6. [a-z, A-Z, 0-9]{13,18} @ [a-z, A-Z] {4} (.edu)
- 7.

1. Java is both interpreted and compiled. The Java source code is first compiled into bytecode, which is a machine-independent code that runs on the Java Virtual Machine (JVM). The JVM then interprets the bytecode and executes the corresponding machine code.

So, in a sense, Java is compiled into an intermediate form (bytecode) and then interpreted by the JVM. However, the JVM can also use just-in-time (JIT) compilation to dynamically compile the bytecode into machine code for improved performance at runtime.

Therefore, in a broader sense, Java can be considered both compiled and interpreted, depending on the stage of the execution process and the specific implementation of the JVM.