Grammar for the Exp programming language

Version 4

```
program → main
main \rightarrow (statement) +
statement \rightarrow st print \mid st attrib \mid st if
st print \rightarrow print (expression (, expression)*)
st attrib \rightarrow name = expression
st if \rightarrow if comparison { (statement)+}
comparison \rightarrow expression ( == | != | < | <= | > | >= ) expression
expression \rightarrow term ( ( + | - ) term )*
term \rightarrow factor ( ( * | / | % ) factor )*
factor \rightarrow number | (expression) | name | read int ()
tokens: + - */\% () = , {} == != < <= > = print number name read_int if
bytecode instructions:
+1
      ldc value
-1
      iadd
      isub
-1
      imul
-1
      idiv
-1
-1
      irem
      istore index
-1
+1
      iload index
+1
      getstatic
      invokevirtual .../print(I)V
-2
      invokevirtual .../println()V
-1
      invokestatic .../readInt()I
+1
      if icmp?? label
                                                      ?? \rightarrow eq \mid ne \mid lt \mid le \mid gt \mid ge
-1
```