

# COMP3438 Lab 7

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## 1. Identify tokens

Keywords: var, while, do, if, then, else, begin, end

Identifiers: i, a, b, c, d, var1

Constant: 1, 5, 6, 99, 2.0E12, 3E-12, 0.21

Operators: = < == + / ^ \*

Special symbols: , {} () ;

## 2. Regex

For {a, b}, Regex for:

(a)  $^b(a|b)^*aba\$$  : Find strings that begin with b and end with aba.

(b)  $^a^*ba^*ba^*\$$  : Find strings that contain exactly two b's.

(c)  $^a^*bba^*\$$  : Find strings that contain exactly two consecutive b's.

## 3. C program

See q3\_tb.c