- How to construct a lexical analyzer program

- Lexical analyzer specification:

  - $p_1 = \{action_1\}$
  - $p_2 = \{action_2\}$
  - ...
  - $p_n = \{action_n\}$

Such that "each pattern p_i is a regular expression and each $action_i$ is a program fragment that is to be executed whenever a lexeme matched by p_i"[1]

References

[1] Jeffrey D. Ulman, Ravi Sethi, Alfred V. Aho *Compilers: Principles, Techniques and Tools* copywrite 1986 by Bell Telephone Laboratories, Incorporated