Pratt Parser

Ultimately, the complexity in the process of parsing comes down to the resolution of this ambiguity. The technique we will develop here uses token objects whose members include binding powers (or precedence levels), and simple methods called nud (null denotation) and led (left denotation). A nud does not care about the tokens to the left. A led does. A nud method is used by values (such as variables and literals) and by prefix operators. A led method is used by infix operators and suffix operators. A token may have both a nud method and a led method. For example, - might be both a prefix operator (negation) and an infix operator (subtraction), so it would have both nud and led

methods.https://crockford.com/javascript/tdop/tdop.html

**Top Down Operator Precedence Parsing**

**Introduction**

Sto je to

Parsing is the process of structuring a linear representation in accordance with a given grammar (Grune and Jacobs, 2008). Broad abstraction of definition implies great application area therefore it is of critical value to implement it in optimal way into code.

Grune, D. and Jacobs, C., 2008. *Parsing Techniques*. New York, NY: Springer Science+Business Media, LLC.

Parser accepts list of token objects and generates structure with syparse tree. During this process it verifies that grammar enables producing that sequence of tokens (Aho, Lam, Sethi and Ullman, 1986). Creating program with such function is

Afred V. Aho, Monica S. Lam, Ravi Sethi, & Jeffrey D. Ullman (1986). Compilers: Principles, Techniques, & Tools. 2nd edn.

Aho, A., Sethi, R. and Ullman, J., 2002. Compilers. Reading, Mass.: Addison-Wesley.

Kako radi

**Related work**

Kakva jos parsiranja postoje

**Problem and solution**

Koji problemi se mogu svest na ovaj

**Experiments**

sto je do sad neko napravio / implementirao

**Conclusion**

Jel cemu ovo

Za sta je dobar

**References**

PRATT, Vaughan R. 1973. "Top down operator precedences". *Proceedings of the 1st annual ACM SIGACTSIGPLAN symposium on Principles of programming languages*, 41-51

GRUNE, Dick and Ceriel J.H. JACOBS. 2008. *Parsing Techniques*. New York: Springer Science+Business Media, LLC.

AHO, Alfred V. et al. 1986. *Compilers: Principles, Techniques, & Tools*. Boston: Addison-Wesley