Bilkent University | Department of Computer Engineering



CS 315: Programming Languages

Lexical Analyser for a Programming Language for an Integer Language

Language: HazardCat

13.10.2034

Section: 2

Group: 14?

❖ Musa Yiğit Yayla. 22003108

❖ Maryam Azimli. 22101528

Instructor:

Aynur Dayanik

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1. <main > =: execute begin program> end 3. <statements>::= <statement>|< statements> +<statement> 4. <statement>:: =<cond statement> | <loop> | <single statement>|<statement> 5. <cond statement>::= if (<single statement>){<statements>}| else if (<single statement>){<staments>}|else{<staments>} 6. <loop>::= <for>|<while> 7. <for>::=for (<var name>=<expr>(<cond statement>)){<statements>} 8. <while>::= while (<expr>){statements} 9. <single statement>::=<type><var name>=<exprs>|<return st>|stat> 10.<return stat>::=return <exprs> 11.<list stat>::= let [] <var name>=list<size> 12.12.list assign>::= <var name> = {list expr>} 13.<\list expr>::=<\exprs>|<\expr> 14.<expr>>::= <expr>+<expr>|<expr>*<expr>|expr 15.<expr>::=<var name>|<var name>+<expr>|<constant> 16.<var name>::=<lower lets>|<lower lets>+<upper let>|<lower lets>+<upp er lets>+<nums> 17.<func>::=func<var name>(<parameters>){<statements>} 18.<parameters>::=int<var name> 19.<input scan>::=read<exprs> 20.<string>::=<lower lets>|upper lets>|< digits>|<special buts> 21. <lower lets>::= a|b|c|d|e|f|g|h|i|j|k|1|m|n|o|p|q|r|s|t|u|v|w|x|y|z|<lower lets>22.<upper let>::= A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|<upper let> 23. < special buts>::=/|.|,|*|&|^|%|\$|#|@!|~

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24.<compare>::=< | > | <= | >= | !=
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