Thais Minet

9/16/17

CS 4423

Checkpoint #1

WHITESPACE: [\t ]

MAIN: [mM][aA][iI][nN]

DATA\_SECTION: [dD][aA][tT][aA]

ALGORITHM\_SECTION: [aA][lL][gG][oO][rR][iI][tT][hH][mM]

END\_STATEMENT: ;

IF: [iI][fF]

ELSE: [eE][lL][sS][eE]

WHILE: [wW][hH][iI][lL][eE]

COUNTING: [cC][oO][uU][nN][tT][iI][nN][gG]

UPWARD: [uU][pP][wW][aA][rR][dD]

DOWNWARD: [dD][oO][wW][nN][wW][aA][rR][dD]

TO: [tT][oO]

EXIT: [eE][xX][iI][tT]

END: [eE][nN][dD]

REAL: [rR][eE][aA][lL]

INTEGER: [iI][nN][tT][eE][gG][eE][rR]

ARRAY: [a-zA-Z][a-zA-Z0-9]\*\[[0-9]+\]

VARIABLE: [a-zA-Z][a-zA-Z0-9]\*

FLOAT\_CONSTANT: [-+]?(([0-9]+\.[0-9]+)|([0-9]+(\.[0-9]+)?[eE][-+][0-9]+))

INTEGER\_CONSTANT: [-+]?[0-9]+

CHAR\_STRING\_CONSTANT: \"([^"\n]|(\"\"))\*["\n]

COLON: :

PRINT: [pP][rR][iI][nN][tT]

READ: [rR][eE][aA][dD]

ASSIGNMENT: :=

AND\_OP: &

OR\_OP: \|

NOT\_OP: ~

LESS\_THAN\_OP: <

LESS\_THAN\_EQUAL\_OP: <=

GREATER\_THAN\_OP: >

GREATER\_THAN\_EQUAL\_OP: >=

EQUAL\_OP: =

NOT\_EQUAL\_OP: <>

ADD\_OP: +

SUB\_OP: -

MUL\_OP: \*

DIV\_OP: /

MOD\_OP: %

OPEN\_PAREN: \(

CLOSE\_PAREN: \)

OPEN\_BRACKET: \[

CLOSE\_BRACKET: \]

COMMENT: #[^\n]\*\n

CARRIAGE\_RETURN: !

COMMA: ,