**LAB 8**

LETTER [a-zA-Z]

DIGIT [0-9]

NZ\_DIGIT [1-9]

IDENTIFIER "\_"[a-zA-Z][a-zA-Z0-9]\*

INT\_CONSTANT "0"|[+-][1-9][0-9]\*

CHAR\_CONSTANT [a-zA-Z]|[0-9]

STRING\_CONSTANT [a-zA-Z0-9]\*

%%

"+"|"-"|"\*"|"/"|"%"|"="|">"|">="|"<"|"<="|"=="|"!=" printf( "An operator: %s\n", yytext );

">>"|"<<"|":"|";"|"""|"'"|"{"|"}"|"("|")"|"["|"]" printf( "A separator: %s\n", yytext );

read|write|if|else|while|for|in|range|Integer|String|Char|main printf( "A reserved word: %s\n", yytext );

main“(”“)”“{”[statement]+“}” printf( "The definition of program: %s\n", yytext );

declaration\_statement|assignment\_statement|if\_statement|for\_statement|while\_statement|read\_statement|write\_statement printf( "The definition of statement: %s\n", yytext );

variable\_declaration\_statement|array\_declaration\_statement printf( "The definition of declaration\_statement: %s\n", yytext );