الاسم: ابراهيم شكري السعيد الجزار

Logo

Description automatically generatedCompilers…

LECTURE PROGRAM NO. 3

Grammar

program

: statement+

;

statement

: 'if' paren\_expr statement

| 'if' paren\_expr statement 'else' statement

| 'while' paren\_expr statement

| '{' statement\* '}'

| expr ';'

| ';'

;

expr

: test

| id '=' expr

;

test

: sum

| sum '<' sum

;

sum

: term

| sum '+' term

| sum '-' term

;

term

: id

| integer

| paren\_expr

;

id

: STRING

;

integer

: INT

;

STRING

: [A-Za-z][A-Za-z0-9\_]\*

;

INT

: [0-99999]+

;