*program* ---> *stmt-sequence*

*stmt-sequence* ---> *statement* { ; *statement* }

*statement* ---> *if-stmt* | *repeat-stmt* | *assig-stmt* | *read-stmt* | *write-stmt*

*if-stmt* ---> **if** *exp* **then** *stmt-sequence* [ **else** *stmt-sequence* ] **end**

*repeat-stmt* ---> **repeat** *stmt-sequence* **until** *exp*

*assign-stmt* ---> ***identifier*** **:=** *exp*

*read-stmt* ---> **read** ***identifier***

*write-stmt* ---> **write** *exp*

*exp* ---> *simple-exp* { *comparison-op* *simple-exp* }

*comparison-op* ---> **<** | **=**

*simple-exp* ---> *term* { *addop* *term* }

*addop* ---> **+** | **/**

*term* ---> *factor* { *mulop* *factor* }

*mulop* ---> **\*** | **/**

*factor* ---> { *exp* } | ***number*** | ***identifier***