commmand: select | insert | update | delete

| create\_table | drop\_table | show\_tables | desc\_table

| create\_index | drop\_index

| sync | begin | commit | rollback

| load\_data | help | exit

drop\_table: DROP TABLE ID ";"

show\_tables: SHOW TABLES ";"

desc\_table: DESC ID ";"

create\_table: CREATE TABLE ID "(" attr\_def attr\_def\_list ")" ";"

create\_index: CREATE INDEX ON ID "(" ID ")" ";"

drop\_index: DROP INDEX ID ";"

select: SELECT select\_attr FROM ID rel\_list where ";"

update: UPDATE ID SET ID "=" value where ";"

insert: INSERT INTO ID VALUES "(" value value\_list ")" ";"

delete: DELETE FROM ID where ";"

select\_attr: "\*"| ID attr\_list | ID "." ID attr\_list

attr\_def\_list: {} | "," attr\_def attr\_def\_list

value\_list: {} | "," value value\_list

attr\_list: {} | "," ID attr\_list | "," ID "." ID attr\_list

rel\_list: {} | "," ID rel\_list

attr\_def: ID\_get type "(" number ")"

| ID\_get type

where: {} | WHERE condition condition\_list

condition\_list: {} | AND condition condition\_list

condition: ID comOP value | value comOP value

| ID comOP ID | value comOP ID

| ID "." ID comOP value | value comOP ID "." ID

| ID "." ID comOP ID "." ID

comOP: EQ | LT | GT | LE | GE | NE

load\_data: LOAD DATA INFILE SSS INTO TABLE ID ";"

begin: TRX\_BEGIN ";"

commit: TRX\_COMMIT ";"

rollback: TRX\_ROLLBACK ";"

help: HELP ";"

sync: SYNC ";"

exit: EXIT ";"

value: NUMBER | FLOAT | SSS

number: NUMBER

type: INT\_T | STRING\_T | FLOAT\_T

ID\_get: ID