

SELECT command

SELECT_Command := SELECT * | **Column_Comma_List**
FROM TableName [AS TableAlias]
[LEFT JOIN TbleName [AS TableAlias] ON **Join_Condition_List**]
[WHERE **Boolean_Expression**]
[ORDER BY **Sorting_Comma_List**]

Column_Comma_List := **Column_Reference** |
Column_Comma_List , **Column_Reference**

Column_Reference := [TableName_or_TableAlias .] ColumnName [AS "ColumnAlias"]

Join_Condition_List := **Column_Reference** = **Column_Reference** |
Join_Condition_List AND **Column_Reference** = **Column_Reference**

Boolean_Expression := **Column_Reference** < | <= | = | >= | > | != | Scalar_Value |
Boolean_Expression AND | OR **Column_Reference** < | <= | = | >= | > | != | Scalar_Value

Sorting_Comma_List := **Column_Reference** [ASC | DESC] |
Column_Comma_List , **Column_Reference** [ASC | DESC]

UPDATE command

UPDATE_Command := UPDATE TableName
SET **Assign_Comma_List**
[WHERE **Boolean_Expression**]

Assign_Comma_List := ColumnName = NewScalarValue |
Assign_Comma_List , ColumnName = NewScalarValue

INSERT command

INSERT_Command := INSERT INTO TableName
[(**Column_Name_List**)]
VALUES (**Scalar_Comma_List**)

Column_Name_List := ColumnName |
Column_Name_List , ColumnName

Scalar_Comma_List := ScalarValue |
Scalar_Comma_List , ScalarValue

DELETE command

DELETE_Command := DELETE FROM TableName
[WHERE **Boolean_Expression**]