Вход 1

SELECT LastName, FirstName  
FROM Person.Person  
WHERE BusinessEntityID IN  
(SELECT BusinessEntityID  
FROM HumanResources.Employee  
WHERE BusinessEntityID IN  
(SELECT BusinessEntityID  
FROM Sales.SalesPerson)  
);

Выход 1

RootQueryNode(

queries=[

QueryNode(

query\_statements=[

FactoredStatementNode(

select\_parts=[

SelectNode(

columns=[

ExprNode(database\_name=None, table\_name=None, column\_name='LastName', select\_stmt=None),

ExprNode(database\_name=None, table\_name=None, column\_name='FirstName', select\_stmt=None),

],

tables=[Table\_or\_subquery(table\_name='Person', schema\_name='Person', DOT='.', table\_alias=None, K\_INDEXED=None, K\_BY=None, index\_name=None, K\_NOT=None, K\_AS=None, table\_function\_name=None, OPEN\_PAR=None, CLOSE\_PAR=None, expr=[], COMMA=[], table\_or\_subquery=[], join\_clause=None, select\_stmt=None)],

where=ExprNode(

database\_name=None,

table\_name=None,

column\_name=None,

select\_stmt=[

Select\_or\_values(

K\_SELECT='SELECT',

result\_column=[ExprNode(database\_name=None, table\_name=None, column\_name='BusinessEntityID', select\_stmt=None)],

COMMA=[],

K\_FROM='FROM',

K\_WHERE='WHERE',

expr=[

ExprNode(

database\_name=None,

table\_name=None,

column\_name=None,

select\_stmt=[

Select\_or\_values(

K\_SELECT='SELECT',

result\_column=[ExprNode(database\_name=None, table\_name=None, column\_name='BusinessEntityID', select\_stmt=None)],

COMMA=[],

K\_FROM='FROM',

K\_WHERE=None,

expr=[],

K\_GROUP=None,

K\_BY=None,

K\_DISTINCT=None,

K\_ALL=None,

table\_or\_subquery=[Table\_or\_subquery(table\_name='SalesPerson', schema\_name='Sales', DOT='.', table\_alias=None, K\_INDEXED=None, K\_BY=None, index\_name=None, K\_NOT=None, K\_AS=None, table\_function\_name=None, OPEN\_PAR=None, CLOSE\_PAR=None, expr=[], COMMA=[], table\_or\_subquery=[], join\_clause=None, select\_stmt=None)],

join\_clause=None,

K\_HAVING=None,

K\_VALUES=None,

OPEN\_PAR=[],

CLOSE\_PAR=[],

),

],

),

],

K\_GROUP=None,

K\_BY=None,

K\_DISTINCT=None,

K\_ALL=None,

table\_or\_subquery=[Table\_or\_subquery(table\_name='Employee', schema\_name='HumanResources', DOT='.', table\_alias=None, K\_INDEXED=None, K\_BY=None, index\_name=None, K\_NOT=None, K\_AS=None, table\_function\_name=None, OPEN\_PAR=None, CLOSE\_PAR=None, expr=[], COMMA=[], table\_or\_subquery=[], join\_clause=None, select\_stmt=None)],

join\_clause=None,

K\_HAVING=None,

K\_VALUES=None,

OPEN\_PAR=[],

CLOSE\_PAR=[],

),

],

),

group\_by=None,

having=None,

),

],

operators=None,

),

],

),

],

)

Вход 2

SELECT \*  
FROM (  
SELECT Author, stock  
FROM books  
GROUP BY author  
) AS results  
WHERE author="Robin Sharma";

Выход 2

RootQueryNode(

queries=[

QueryNode(

query\_statements=[

FactoredStatementNode(

select\_parts=[

SelectNode(

columns=[

'\*',

],

tables=[

Table\_or\_subquery(

table\_name=None,

schema\_name=None,

DOT=None,

table\_alias='results',

K\_INDEXED=None,

K\_BY=None,

index\_name=None,

K\_NOT=None,

K\_AS='AS',

table\_function\_name=None,

OPEN\_PAR='(',

CLOSE\_PAR=')',

expr=[],

COMMA=[],

table\_or\_subquery=[],

join\_clause=None,

select\_stmt=[

Select\_or\_values(

K\_SELECT='SELECT',

result\_column=[

ExprNode(database\_name=None, table\_name=None, column\_name='Author', select\_stmt=None),

ExprNode(database\_name=None, table\_name=None, column\_name='stock', select\_stmt=None),

],

COMMA=[

',',

],

K\_FROM='FROM',

K\_WHERE=None,

expr=[ExprNode(database\_name=None, table\_name=None, column\_name='author', select\_stmt=None)],

K\_GROUP='GROUP',

K\_BY='BY',

K\_DISTINCT=None,

K\_ALL=None,

table\_or\_subquery=[

'books',

],

join\_clause=None,

K\_HAVING=None,

K\_VALUES=None,

OPEN\_PAR=[],

CLOSE\_PAR=[],

),

],

),

],

where=ExprNode(database\_name=None, table\_name=None, column\_name=None, select\_stmt=None),

group\_by=None,

having=None,

),

],

operators=None,

),

],

),

],

)

Вход 3

SELECT members.firstname || ' ' || members.lastname  
AS "Full Name"  
FROM borrowings  
INNER JOIN members  
ON members.memberid=borrowings.memberid  
INNER JOIN books  
ON books.bookid=borrowings.bookid  
WHERE borrowings.bookid IN (SELECT bookid  
FROM books)  
GROUP BY members.firstname, members.lastname;

Выход 3

RootQueryNode(

queries=[

QueryNode(

query\_statements=[

FactoredStatementNode(

select\_parts=[

SelectNode(

columns=[

Result\_column(

STAR=None,

table\_name=None,

DOT=None,

expr=ExprNode(database\_name=None, table\_name=None, column\_name=None, select\_stmt=None),

column\_alias='"Full Name"',

K\_AS='AS',

),

],

tables=None,

where=ExprNode(

database\_name=None,

table\_name=None,

column\_name=None,

select\_stmt=[

Select\_or\_values(

K\_SELECT='SELECT',

result\_column=[ExprNode(database\_name=None, table\_name=None, column\_name='bookid', select\_stmt=None)],

COMMA=[],

K\_FROM='FROM',

K\_WHERE=None,

expr=[],

K\_GROUP=None,

K\_BY=None,

K\_DISTINCT=None,

K\_ALL=None,

table\_or\_subquery=[

'books',

],

join\_clause=None,

K\_HAVING=None,

K\_VALUES=None,

OPEN\_PAR=[],

CLOSE\_PAR=[],

),

],

),

group\_by=[

ExprNode(database\_name=None, table\_name='members', column\_name='firstname', select\_stmt=None),

ExprNode(database\_name=None, table\_name='members', column\_name='lastname', select\_stmt=None),

],

having=None,

),

],

operators=None,

),

],

),

],

)