```
red: aliases
                                        yellow: multi columns
grammar completeXXLQS002 ;
                                        orange: set quantifiers
emptyproduction : queryspecification
queryspecification : SELECT (SETQUANTIFIER)? selectlist tableexpression;
selectlist : selectsublist ( COMMA selectsublist )*
selectsublist : derivedcolumn ;
tableexpression : fromclause whereclause?
fromclause : FROM tablereferencelist ;
derivedcolumn : valueexpression asclause?
valueexpression : commonvalueexpression ;
commonvalueexpression : stringvalueexpression ;
stringvalueexpression : charactervalueexpression ;
charactervalueexpression : characterfactor ;
characterfactor : characterprimary ;
characterprimary : valueexpressionprimary ;
valueexpressionprimary: nonparenthesizedvalueexpressionprimary;
nonparenthesizedvalueexpressionprimary : columnreference ;
columnreference : basicidentifierchain ;
basicidentifierchain : identifierchain ;
identifierchain : identifier ;
tablereferencelist : tablereference ;
tablereference : tableprimaryorjoinedtable ;
tableprimaryorjoinedtable : tableprimary ;
tableprimary: tableorqueryname;
tableorqueryname : tablename ;
tablename : qualifiedidentifier ;
qualifiedidentifier : identifier ;
asclause : AS? columnname
columnname : identifier
whereclause: WHERE searchcondition
searchcondition :
                   booleanvalueexpression
booleanvalueexpression : booleanterm (OR booleanterm)*
booleanterm : booleanfactor (AND booleanfactor)*
booleanfactor :
                NOT? booleantest
booleantest: booleanprimary ( IS NOT? truthvalue )?
truthvalue : TRUE | FALSE | UNKNOWN ;
                   booleanpredicand
booleanprimary :
booleanpredicand : nonparenthesizedvalueexpressionprimary
SELECT : 'select'
FROM :
         'from'
PERIOD : '.' ;
ASTERISK : '*'
COMMA : ','
AS : 'AS'
WHERE : 'where'
OR : 'OR'
AND: 'AND'
NOT: 'NOT'
IS: 'IS'
TRUE : 'TRUE'
FALSE : 'FALSE'
UNKNOWN: 'UNKNOWN'
LEFTPARAN : '('
RIGHTPARAN : ')'
SETQUANTIFIER: 'DISTINCT' | 'ALL'
```

identifier : ID ;

Features:

blue: where clause

```
ID : ('a'..'z'|'A'..'Z')+;
DIGIT : '0'..'9'+;
SEMICOLON : ';';
NEWLINE:'\r'?'\n';
WS : (''|'\t'|'\n'|'\r')+;
```