1. **Oracle Query:**

Create or replace DECODE\_VIEW AS

SELECT a.LS140\_COMP\_SEQ\_NO,

a.LS140\_COMP\_NAME,

a.LS140\_COMP\_DESC,

a.LS130\_COMP\_GRP\_SEQ\_NO,

a.LS140\_DISP\_IN\_SPEC,

DECODE (b.LS200\_MDL\_SEQ\_NO,

NULL,

'N','Y')

MDL\_SEQ\_NO,

DECODE (b.LS204\_DEFAULT\_FLAG, NULL,'N',

b.LS204\_DEFAULT\_FLAG) DEFAULT\_FLAG

,NVL(b.LS204\_COC\_FLAG,'N') LS204\_COC\_FLAG

, b.LS204\_VALIDATION\_FLAG

FROM lsdb.LSDB140\_COMP a, lsdb.LSDB204\_MDL\_COMP b

WHERE a.LS130\_COMP\_GRP\_SEQ\_NO = 5

AND a.LS140\_COMP\_SEQ\_NO = b.LS140\_COMP\_SEQ\_NO (+)

AND b.LS200\_MDL\_SEQ\_NO = 45

AND b.LS202\_SUBSEC\_SEQ\_NO = 4680--i\_n\_SubSecSeqNo

AND a.LS140\_DELETE\_FLAG = 'N'

AND a.LS191\_COMP\_SOURCE\_CODE = 'M'--PK\_LSDB\_CONSTANTS.con\_s\_Comp\_Source\_Model

ORDER BY a.LS140\_COMP\_NAME

**MariaDB tool converted query – 80%**

Create or replace DECODE\_VIEW AS

SELECT A.LS140\_COMP\_SEQ\_NO, A.LS140\_COMP\_NAME, A.LS140\_COMP\_DESC, A.LS130\_COMP\_GRP\_SEQ\_NO, A.LS140\_DISP\_IN\_SPEC,

CASE WHEN B.LS200\_MDL\_SEQ\_NO IS NULL THEN 'N' ELSE 'Y' ENDMDL\_SEQ\_NO, CASE WHEN B.LS204\_DEFAULT\_FLAG IS NULL THEN 'N' ELSE B.LS204\_DEFAULT\_FLAG END DEFAULT\_FLAG ,IFNULL (B.LS204\_COC\_FLAG,'N') LS204\_COC\_FLAG ,B.LS204\_VALIDATION\_FLAG FROM LSDB.LSDB140\_COMP A LEFT OUTER JOIN LSDB.LSDB204\_MDL\_COMP B ON WHERE A.LS130\_COMP\_GRP\_SEQ\_NO = 5 AND B.LS200\_MDL\_SEQ\_NO = 45 AND B.LS202\_SUBSEC\_SEQ\_NO = 4680 AND A.LS140\_DELETE\_FLAG = 'N' AND A.LS191\_COMP\_SOURCE\_CODE = 'M'-- PK\_LSDB\_CONSTANTS.con\_s\_Comp\_Source\_Model ORDER BY A.LS140\_COMP\_NAME;;

**Note:** (+) operator is replaced with LEFT OUTER JOIN.

**Tool and Hand finish conversions in Maria DB:**

Create or replace DECODE\_VIEW AS

SELECT A.LS140\_COMP\_SEQ\_NO,

A.LS140\_COMP\_NAME,

A.LS140\_COMP\_DESC,

A.LS130\_COMP\_GRP\_SEQ\_NO,

A.LS140\_DISP\_IN\_SPEC,

CASE WHEN B.LS200\_MDL\_SEQ\_NO IS NULL THEN 'N' ELSE 'Y' END

MDL\_SEQ\_NO,

CASE WHEN B.LS204\_DEFAULT\_FLAG IS NULL THEN 'N' ELSE B.LS204\_DEFAULT\_FLAG END DEFAULT\_FLAG

, IFNULL (B.LS204\_COC\_FLAG,'N') LS204\_COC\_FLAG

, B.LS204\_VALIDATION\_FLAG

FROM LSDB140\_COMP A left OUTER JOIN LSDB204\_MDL\_COMP B ON (a.LS140\_COMP\_SEQ\_NO = b.LS140\_COMP\_SEQ\_NO)

where

B.LS200\_MDL\_SEQ\_NO = 45

AND B.LS202\_SUBSEC\_SEQ\_NO = 4680

and A.LS130\_COMP\_GRP\_SEQ\_NO = 5

AND A.LS140\_DELETE\_FLAG = 'N'

AND A.LS191\_COMP\_SOURCE\_CODE = 'M'

ORDER BY A.LS140\_COMP\_NAME

**Note:** Left outer join is used with ON condition & Decode converted to CASE

1. **Oracle:**

Create or replace MINUS\_VIEW AS

SELECT DISTINCT R.LS130\_COMP\_GRP\_NAME || ' IN ' || CHR(U.LS201\_SEC\_CODE+64)||'. '||U.LS201\_SEC\_NAME CODE,

CHR(U.LS201\_SEC\_CODE+64)||'. '||U.LS201\_SEC\_NAME SEC\_CODE

FROM lsdb.LSDB204\_MDL\_COMP X,lsdb.LSDB202\_MDL\_SUBSEC V,lsdb.LSDB201\_MDL\_SEC U,

(SELECT DISTINCT A.LS130\_COMP\_GRP\_SEQ\_NO

FROM lsdb.LSDB130\_COMP\_GRP A,lsdb.LSDB204\_MDL\_COMP Y

WHERE A.LS130\_COMP\_GRP\_SEQ\_NO=Y.LS130\_COMP\_GRP\_SEQ\_NO

AND Y.LS200\_MDL\_SEQ\_NO=38

MINUS

SELECT z.LS130\_COMP\_GRP\_SEQ\_NO

FROM lsdb.LSDB405\_ORDR\_COMP z

WHERE z.LS400\_ORDR\_KEY=2418

AND z.LS150\_DATA\_LOC\_TYPE\_CODE='S'

)W,

lsdb.LSDB412\_ORDR\_SUBSEC S,lsdb.LSDB130\_COMP\_GRP R

WHERE X.LS130\_COMP\_GRP\_SEQ\_NO=W.LS130\_COMP\_GRP\_SEQ\_NO

AND X.LS202\_SUBSEC\_SEQ\_NO=V.LS202\_SUBSEC\_SEQ\_NO

AND V.LS200\_MDL\_SEQ\_NO=34

AND U.LS200\_MDL\_SEQ\_NO=V.LS200\_MDL\_SEQ\_NO

AND U.LS201\_SEC\_SEQ\_NO=V.LS201\_SEC\_SEQ\_NO

AND V.LS202\_SUBSEC\_SEQ\_NO=S.LS202\_SUBSEC\_SEQ\_NO

AND S.LS400\_ORDR\_KEY=2418

AND S.LS150\_DATA\_LOC\_TYPE\_CODE='W'

AND X.LS130\_COMP\_GRP\_SEQ\_NO = R.LS130\_COMP\_GRP\_SEQ\_NO

ORDER BY SEC\_CODE;

**MariaDB tool converted query: 100% conversion**

Create or replace MINUS\_VIEW AS

SELECT DISTINCT CONCAT(R.LS130\_COMP\_GRP\_NAME,' IN ',CHAR(U.LS201\_SEC\_CODE+64),'. ',U.LS201\_SEC\_NAME) CODE,  
CONCAT(CHAR(U.LS201\_SEC\_CODE+64),'. ',U.LS201\_SEC\_NAME) SEC\_CODE FROM   LSDB204\_MDL\_COMP X,LSDB202\_MDL\_SUBSEC V,LSDB201\_MDL\_SEC U,  
(  
SELECT DISTINCT A.LS130\_COMP\_GRP\_SEQ\_NO  
FROM LSDB130\_COMP\_GRP A,LSDB204\_MDL\_COMP Y  
WHERE (A.LS130\_COMP\_GRP\_SEQ\_NO = Y.LS130\_COMP\_GRP\_SEQ\_NO  
AND Y.LS200\_MDL\_SEQ\_NO = 38)  
AND(A.LS130\_COMP\_GRP\_SEQ\_NO) NOT IN(SELECT Z.LS130\_COMP\_GRP\_SEQ\_NO  
FROM LSDB405\_ORDR\_COMP Z  
WHERE Z.LS400\_ORDR\_KEY = 2418  
AND Z.LS150\_DATA\_LOC\_TYPE\_CODE = 'S')   
)     
W,  
LSDB412\_ORDR\_SUBSEC S,LSDB130\_COMP\_GRP R  
WHERE X.LS130\_COMP\_GRP\_SEQ\_NO = W.LS130\_COMP\_GRP\_SEQ\_NO  
AND   X.LS202\_SUBSEC\_SEQ\_NO = V.LS202\_SUBSEC\_SEQ\_NO  
AND   V.LS200\_MDL\_SEQ\_NO = 34  
AND   U.LS200\_MDL\_SEQ\_NO = V.LS200\_MDL\_SEQ\_NO  
AND   U.LS201\_SEC\_SEQ\_NO = V.LS201\_SEC\_SEQ\_NO  
AND   V.LS202\_SUBSEC\_SEQ\_NO = S.LS202\_SUBSEC\_SEQ\_NO  
AND   S.LS400\_ORDR\_KEY = 2418  
AND   S.LS150\_DATA\_LOC\_TYPE\_CODE = 'W'  
AND   X.LS130\_COMP\_GRP\_SEQ\_NO = R.LS130\_COMP\_GRP\_SEQ\_NO  
ORDER BY SEC\_CODE ;

**Note:**

* || Operator is converted as CONCAT.
* Inner sub-query is modified by including NOT IN

1. **Oracle:**

Create or Replace TODATE\_VIEW as

SELECT A.LS400\_ORDR\_NO,

A.LS400\_ORDR\_KEY,

A.LS150\_DATA\_LOC\_TYPE\_CODE,

B.LS050\_CUST\_NAME,

C.LS200\_MDL\_NAME,

A.LS080\_SPEC\_STATUS\_CODE,

CASE

WHEN A.LS400\_UPDT\_DATE < TO\_DATE('08/Sep/2014') then D.LS080\_OLD\_STATUS\_DESC || A.LS400\_SPEC\_REV\_CODE || A.LS400\_SPEC\_SUBLVL\_REV\_CODE

ELSE D.LS080\_STATUS\_DESC || A.LS400\_SPEC\_REV\_CODE || A.LS400\_SPEC\_SUBLVL\_REV\_CODE END AS SPECSTATUS

FROM lsdb.LSDB400\_ORDR A,

lsdb.LSDB050\_CUSTOMER B,

lsdb.LSDB200\_MODEL C,

lsdb.LSDB080\_SPEC\_STATUS D

WHERE A.LS150\_DATA\_LOC\_TYPE\_CODE = 'W'

AND A.LS050\_CUST\_SEQ\_NO = B.LS050\_CUST\_SEQ\_NO

AND A.LS200\_MDL\_SEQ\_NO = C.LS200\_MDL\_SEQ\_NO

AND A.LS050\_CUST\_SEQ\_NO = A.LS050\_CUST\_SEQ\_NO

AND A.LS200\_MDL\_SEQ\_NO = NVL(38,A.LS200\_MDL\_SEQ\_NO)

AND C.LS030\_SPEC\_TYPE\_SEQ\_NO = NVL(1,C.LS030\_SPEC\_TYPE\_SEQ\_NO)

AND A.LS080\_SPEC\_STATUS\_CODE = D.LS080\_SPEC\_STATUS\_CODE

ORDER BY UPPER(LS400\_ORDR\_NO);

**MariaDB tool converted query: 100% conversion**

Create or Replace TODATE\_VIEW as

SELECT A.LS400\_ORDR\_NO,

A.LS400\_ORDR\_KEY,

A.LS150\_DATA\_LOC\_TYPE\_CODE,

B.LS050\_CUST\_NAME,

C.LS200\_MDL\_NAME,

A.LS080\_SPEC\_STATUS\_CODE,

CASE

WHEN A.LS400\_UPDT\_DATE < CAST('08/Sep/2014' AS DATETIME) then CONCAT(D.LS080\_OLD\_STATUS\_DESC,A.LS400\_SPEC\_REV\_CODE,A.LS400\_SPEC\_SUBLVL\_REV\_CODE)

ELSE CONCAT(D.LS080\_STATUS\_DESC,A.LS400\_SPEC\_REV\_CODE,A.LS400\_SPEC\_SUBLVL\_REV\_CODE) END AS SPECSTATUS

FROM LSDB400\_ORDR A,

LSDB050\_CUSTOMER B,

LSDB200\_MODEL C,

LSDB080\_SPEC\_STATUS D

WHERE A.LS150\_DATA\_LOC\_TYPE\_CODE = 'W'

AND A.LS050\_CUST\_SEQ\_NO = B.LS050\_CUST\_SEQ\_NO

AND A.LS200\_MDL\_SEQ\_NO = C.LS200\_MDL\_SEQ\_NO

AND A.LS050\_CUST\_SEQ\_NO = A.LS050\_CUST\_SEQ\_NO

AND A.LS200\_MDL\_SEQ\_NO = IFNULL(38,A.LS200\_MDL\_SEQ\_NO)

AND C.LS030\_SPEC\_TYPE\_SEQ\_NO = IFNULL(1,C.LS030\_SPEC\_TYPE\_SEQ\_NO)

AND A.LS080\_SPEC\_STATUS\_CODE = D.LS080\_SPEC\_STATUS\_CODE

ORDER BY UPPER(LS400\_ORDR\_NO);

**Note:**

* To\_Date is converted as CAST.
* || operator is migrated as CONCAT.
* NVL is converted as IFNULL.

**4)Oracle query:**

Create or replace CHR\_VIEW as

SELECT B.LS080\_STATUS\_DESC PRES\_DESC,

CHR(DECODE(ASCII(A.LS400\_SPEC\_REV\_CODE),NULL,

DECODE(B.LS080\_SPEC\_STATUS\_CODE,4,65,NULL),

ASCII(A.LS400\_SPEC\_REV\_CODE)+1)) PREV\_REVISION

,B.LS080\_SPEC\_STATUS\_CODE

FROM lsdb.LSDB400\_ORDR A,lsdb.LSDB080\_SPEC\_STATUS B

WHERE A.LS400\_ORDR\_KEY=2415

AND A.LS150\_DATA\_LOC\_TYPE\_CODE='W'

AND B.LS080\_SPEC\_STATUS\_CODE=DECODE(A.LS080\_SPEC\_STATUS\_CODE,

1, A.LS080\_SPEC\_STATUS\_CODE+1,

2, A.LS080\_SPEC\_STATUS\_CODE+1,

3,A.LS080\_SPEC\_STATUS\_CODE+1,

A.LS080\_SPEC\_STATUS\_CODE);

**MariaDB tool converted query**: **100% Conversion**

Create or replace CHR\_VIEW as

SELECT B.LS080\_STATUS\_DESC PRES\_DESC,

CHAR(CASE WHEN ASCII(A.LS400\_SPEC\_REV\_CODE) IS NULL THEN CASE B.LS080\_SPEC\_STATUS\_CODE WHEN 4 THEN 65 ELSE NULL END ELSE ASCII(A.LS400\_SPEC\_REV\_CODE)+1 END) PREV\_REVISION

,B.LS080\_SPEC\_STATUS\_CODE

FROM LSDB400\_ORDR A,LSDB080\_SPEC\_STATUS B

WHERE A.LS400\_ORDR\_KEY = 2415

AND A.LS150\_DATA\_LOC\_TYPE\_CODE = 'W'

AND B.LS080\_SPEC\_STATUS\_CODE = CASE A.LS080\_SPEC\_STATUS\_CODE WHEN 1 THEN A.LS080\_SPEC\_STATUS\_CODE+1 WHEN 2 THEN A.LS080\_SPEC\_STATUS\_CODE+1 WHEN 3 THEN A.LS080\_SPEC\_STATUS\_CODE+1 ELSE A.LS080\_SPEC\_STATUS\_CODE END;

**Note**: CHR is replaced by CHAR and DECODE by CASE

1. **Oracle query:**

Create or replace INITCAP\_VIEW AS

SELECT B.LS080\_STATUS\_DESC PRES\_DESC, CHR(DECODE(ASCII(A.LS400\_SPEC\_REV\_CODE),NULL, DECODE(B.LS080\_SPEC\_STATUS\_CODE,4,65,NULL), ASCII(A.LS400\_SPEC\_REV\_CODE)+1)) PREV\_REVISION ,INITCAP(TO\_CHAR(TO\_DATE(A.LS400\_ORDR\_QTY,'J'),'JSP')) INTCAP ,B.LS080\_SPEC\_STATUS\_CODE

FROM lsdb.LSDB400\_ORDR A,lsdb.LSDB080\_SPEC\_STATUS B

WHERE A.LS400\_ORDR\_KEY=2415

AND A.LS150\_DATA\_LOC\_TYPE\_CODE='W'

AND B.LS080\_SPEC\_STATUS\_CODE=DECODE(A.LS080\_SPEC\_STATUS\_CODE, 1, A.LS080\_SPEC\_STATUS\_CODE+1,

2, A.LS080\_SPEC\_STATUS\_CODE+1,

3, A.LS080\_SPEC\_STATUS\_CODE+1, A.LS080\_SPEC\_STATUS\_CODE);

**MariaDB tool:100% tool conversion**

Create or replace INITCAP\_VIEW AS

SELECT B.LS080\_STATUS\_DESC PRES\_DESC, CHAR(CASE WHEN ASCII(A.LS400\_SPEC\_REV\_CODE) IS NULL THEN CASE B.LS080\_SPEC\_STATUS\_CODE WHEN 4 THEN 65 ELSE NULL END ELSE ASCII(A.LS400\_SPEC\_REV\_CODE)+1 END) PREV\_REVISION ,SWF\_INITCAP(DATE\_FORMAT(STR\_TO\_DATE(A.LS400\_ORDR\_QTY,'J'),'JSP'))INTCAP ,B.LS080\_SPEC\_STATUS\_CODE FROM LSDB400\_ORDR A,LSDB080\_SPEC\_STATUS B WHERE A.LS400\_ORDR\_KEY = 2415 AND A.LS150\_DATA\_LOC\_TYPE\_CODE = 'W' AND B.LS080\_SPEC\_STATUS\_CODE = CASE A.LS080\_SPEC\_STATUS\_CODE WHEN 1 THEN A.LS080\_SPEC\_STATUS\_CODE+1 WHEN 2 THEN A.LS080\_SPEC\_STATUS\_CODE+1 WHEN 3 THEN A.LS080\_SPEC\_STATUS\_CODE+1 ELSE A.LS080\_SPEC\_STATUS\_CODE END;;

**Note:**

* Decode is converted as Case
* INITCAP as SWF\_INITCAP
* TO\_CHAR(TO\_DATE) as DATE\_FORMAT\_(STR\_TO\_DATE)