Lab 3

# Q No 1: Create a query to display all data in sal\_fact table.

SELECT

MONTH\_ID, CATEGORY\_ID, STATE\_PROVINCE\_ID, UNITS,

SALES

FROM AV.SALES\_FACT;

# Q No 2: Write a query to display quarterly sales of departments in different region.

SELECT

G.REGION\_NAME, P.DEPARTMENT\_NAME, T.QUARTER\_NAME, SUM(S.SALES) QUATERLY\_SALES

FROM

AV.SALES\_FACT S, AV.TIME\_DIM T, AV.GEOGRAPHY\_DIM G, AV.PRODUCT\_DIM P

WHERE

S.MONTH\_ID = T.MONTH\_ID AND S.STATE\_PROVINCE\_ID = G.STATE\_PROVINCE\_ID AND S.CATEGORY\_ID = P.CATEGORY\_ID

GROUP BY

G.REGION\_NAME, P.DEPARTMENT\_NAME, T.QUARTER\_NAME, T.QUARTER\_END\_DATE

ORDER BY

G.REGION\_NAME, P.DEPARTMENT\_NAME, T.QUARTER\_END\_DATE;

# Q No 3: Write a query to display quarterly sales of country.

SELECT

G.COUNTRY\_NAME, T.QUARTER\_NAME, SUM(S.SALES) QUATERLY\_SALES

FROM

AV.SALES\_FACT S, AV.TIME\_DIM T, AV.GEOGRAPHY\_DIM G

WHERE

S.MONTH\_ID = T.MONTH\_ID AND S.STATE\_PROVINCE\_ID = G.STATE\_PROVINCE\_ID

GROUP BY

G.COUNTRY\_NAME, T.QUARTER\_NAME, T.QUARTER\_END\_DATE

ORDER BY

G.COUNTRY\_NAME, T.QUARTER\_END\_DATE;

# Q No 4: Write a query to display yearly unit sold in different region.

SELECT

G.REGION\_NAME, T.YEAR\_NAME,

SUM(S.UNITS) YEARLY\_UNITS\_SOLD FROM

AV.SALES\_FACT S, AV.TIME\_DIM T, AV.GEOGRAPHY\_DIM G

WHERE

S.MONTH\_ID = T.MONTH\_ID AND S.STATE\_PROVINCE\_ID = G.STATE\_PROVINCE\_ID

GROUP BY

G.REGION\_NAME, T.YEAR\_NAME

ORDER BY

G.REGION\_NAME, T.YEAR\_NAME;

# Q No 5: Write a query to display monthly sales and unit sold in different region.

SELECT

G.REGION\_NAME, T.MONTH\_NAME,

SUM(S.SALES) MONTHLY\_SALES, SUM(S.UNITS) MONTHLY\_UNITS\_SOLD

FROM

AV.SALES\_FACT S, AV.TIME\_DIM T, AV.GEOGRAPHY\_DIM G

WHERE

S.MONTH\_ID = T.MONTH\_ID AND S.STATE\_PROVINCE\_ID = G.STATE\_PROVINCE\_ID

GROUP BY

G.REGION\_NAME, T.MONTH\_NAME, T.MONTH\_END\_DATE

ORDER BY

G.REGION\_NAME, T.MONTH\_END\_DATE;

# Q No 6: Write a query to display seasonally sales in different province.

SELECT

G.STATE\_PROVINCE\_NAME, T.SEASON,

SUM(S.SALES) SEASONAL\_SALES

FROM

AV.SALES\_FACT S, AV.TIME\_DIM T, AV.GEOGRAPHY\_DIM G

WHERE

S.MONTH\_ID = T.MONTH\_ID AND S.STATE\_PROVINCE\_ID = G.STATE\_PROVINCE\_ID

GROUP BY

G.STATE\_PROVINCE\_NAME, T.SEASON

ORDER BY

G.STATE\_PROVINCE\_NAME, T.SEASON;