**Class 3 SQL queries for business insights (Individual)**

**1-**

**SELECT CUS\_FNAME, CUS\_LNAME**

**FROM CUSTOMER**

**WHERE CUS\_AREACODE = '01609';**

**a-**

**SELECT CUS\_FNAME, CUS\_LNAME , SUM(CUS\_BALANCE) AS TotalBalance**

**FROM CUSTOMER**

**WHERE CUS\_AREACODE = '01609';**

**2-**

**SELECT COUNT(\*) AS NumCustomers**

**FROM CUSTOMER**

**WHERE CUS\_AREACODE = '01609' AND CUS\_BALANCE > 1000;**

**3-**

**SELECT COUNT(DISTINCT C.CUS\_CODE) AS NumCustomers**

**FROM CUSTOMER C**

**INNER JOIN INVOICE I ON C.CUS\_CODE = I.CUS\_CODE**

**WHERE I.INV\_DATE = '2021-02-02';**

**4-**

**SELECT SUM(L.LINE\_UNITS \* L.LINE\_PRICE) AS TotalSales**

**FROM LINE L**

**INNER JOIN INVOICE I ON L.INV\_NUMBER = I.INV\_NUMBER**

**WHERE I.INV\_DATE = '2021-02-02';**

**5-**

**SELECT COUNT(DISTINCT C.CUS\_CODE) AS NumCustomers**

**FROM CUSTOMER C**

**INNER JOIN INVOICE I ON C.CUS\_CODE = I.CUS\_CODE**

**INNER JOIN LINE L ON I.INV\_NUMBER = L.INV\_NUMBER**

**INNER JOIN PRODUCT P ON L.P\_CODE = P.P\_CODE**

**WHERE P.P\_DESCRIPT LIKE '%DELL%' AND I.INV\_DATE BETWEEN '2019-10-01' AND '2019-12-31';**

**6-**

**SELECT SUM(L.LINE\_UNITS) AS TotalDELLSales**

**FROM LINE L**

**INNER JOIN PRODUCT P ON L.P\_CODE = P.P\_CODE**

**INNER JOIN INVOICE I ON L.INV\_NUMBER = I.INV\_NUMBER**

**WHERE P.P\_DESCRIPT LIKE '%DELL%' AND I.INV\_DATE BETWEEN '2019-10-01' AND '2019-12-31';**

**7-**

**SELECT DISTINCT V.V\_NAME**

**FROM VENDOR V**

**INNER JOIN PRODUCT P ON V.V\_CODE = P.V\_CODE**

**INNER JOIN LINE L ON P.P\_CODE = L.P\_CODE**

**INNER JOIN INVOICE I ON L.INV\_NUMBER = I.INV\_NUMBER**

**WHERE I.INV\_DATE BETWEEN '2020-01-01' AND '2020-12-31'**

**AND I.CUS\_CODE = 1204;**