/\* Question 1\*/

/\* Number of Records produced: 33 Records \*/

CREATE VIEW v1Team10 AS

SELECT

VINEYARDNAME AS "Vineyard",

GRAPETYPE AS "Grape Type",

VINTAGEYEAR AS "Vintage Year"

FROM GRAPEHARVEST;

SELECT \*

FROM v1Team10

A screenshot of a table

Description automatically generated

/\* Question 2\*/

/\* Number of Records produced: 10 Records \*/

CREATE VIEW v2Team10 AS

SELECT

E.EMPLOYEENAME AS "Employee Name",

V.VINEYARDNAME AS "Vineyard"

FROM EMPLOYEE E

JOIN VINEYARD V ON E.EMPLOYEEID = V.MANAGERID;

SELECT \*

FROM v2Team10

A table with names and numbers

Description automatically generated

/\* Question 3\*/

/\* Number of Records produced: 3 Records \*/

CREATE VIEW v3Team10 AS

SELECT

B.BOTTLEID AS Bottle\_ID,

B.BOTTLESHAPE AS Bottle\_Shape,

B.BOTTLECOLOR AS Bottle\_Color,

BS.QUANTITY\_RECEIVED AS Quantity\_Received,

BS.ORDER\_COST AS Order\_Cost,

VB.VENDORID AS Vendor\_ID,

GV.VENDORNAME AS Vendor\_Name

FROM

BOTTLE B

JOIN

VENDOR\_BOTTLE VB ON B.BOTTLEID = VB.BOTTLEID

JOIN

BOTTLE\_LINE BL ON B.BOTTLEID = BL.BOTTLEID

JOIN

BOTTLE\_SHIPMENT BS ON BL.BOTTLEORDERID = BS.BOTTLEORDERID

JOIN

GLASS\_VENDOR GV ON VB.VENDORID = GV.VENDORID

WHERE

BS.QUANTITY\_RECEIVED > 250 AND

B.BOTTLEPRICE > 0.62;

SELECT \*

FROM v3Team10



/\* Question 4\*/

/\* Number of Records produced: 71 Records \*/

CREATE VIEW v4Team10 AS

SELECT

P.PRODUCTID AS "Product ID",

P.WINE AS "Wine",

O.ORDERID AS "Order ID",

O.QUANTITY AS "Order Quantity",

O.STATUS AS "Order Status"

FROM PRODUCT P

FULL OUTER JOIN PRODUCTORDER O ON P.PRODUCTID = O.PRODUCTID;

SELECT \*

FROM v4Team10

A table of wine list

Description automatically generated

A table of wine list

Description automatically generated

/\* Question 5\*/

/\* Number of Records produced: 16 Records \*/

CREATE VIEW v5Team10 AS

SELECT

PO.CUSTOMER AS "Customer",

COUNT(PO.ORDERID) AS "Total Orders"

FROM PRODUCTORDER PO

WHERE PO.STATUS = 'Shipped'

GROUP BY PO.CUSTOMER;

SELECT \*

FROM v5Team10

A table with a list of names

Description automatically generated

/\* Question 6\*/

/\* Number of Records produced: 50 Records \*/

CREATE VIEW v6Team10 AS

SELECT DISTINCT

P.Wine AS "Wine Name",

B.BottleColor AS "Bottle Color"

FROM

PRODUCT P

JOIN

BOTTLE B ON P.BottleSize = B.BottleSize;

SELECT \*

FROM v6Team10

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

/\* Question 7\*/

/\* Number of Records produced: 16 Records \*/

CREATE VIEW v7Team10 AS

SELECT

C.CUSTOMERID AS "Customer ID", -- Alias to avoid ambiguity.

(CASE

WHEN I.CUSTOMERID IS NOT NULL THEN I.FIRSTNAME || ' ' || I.LASTNAME

WHEN B.CUSTOMERID IS NOT NULL THEN B.COMPANYNAME

ELSE 'Unknown Name'

END) || ', ' ||

C.CUSTOMERADDRESS || ', ' ||

C.CUSTOMERPHONE || ', ' ||

(CASE

WHEN I.CUSTOMERID IS NOT NULL THEN 'Individual'

WHEN B.CUSTOMERID IS NOT NULL THEN 'Business'

ELSE 'Unspecified'

END) AS "Customer Info"

FROM CUSTOMER C

LEFT JOIN INDIVIDUAL\_CUST I ON C.CUSTOMERID = I.CUSTOMERID

LEFT JOIN BUSINESS\_CUST B ON C.CUSTOMERID = B.CUSTOMERID;

CREATE VIEW v7Team10Count AS

SELECT COUNT(DISTINCT "Customer ID") AS "Total Customers"

FROM v7Team10;

SELECT \*

FROM v7Team10

SELECT \*

FROM v7Team10Count

A screenshot of a computer

Description automatically generated

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Description automatically generated