-- 1

select name, Sales, quota

from SALESREPS

where name = "Bill Adams";

-- 2

SELECT o.MFR, p.DESCRIPTION

FROM PRODUCTS p, ORDERS O

WHERE p.PRODUCT\_ID = o.PRODUCT

ORDER BY o.MFR DESC

--3

SELECT PRODUCT\_ID, MFR\_ID, QTY\_ON\_HAND

FROM PRODUCTS

ORDER BY QTY\_ON\_HAND DESC;

--4

SELECT COUNT(CUST\_NUM) as "Number of Customers"

FROM CUSTOMERS;

--5

SELECT \*

FROM OFFICES

WHERE TARGET > 600000;

--6

SELECT AVG(sales) as "Average of Sales"

FROM SALESREPS;

-- 7

SELECT o.ORDER\_NUM, s.name AS "Sales Person", c.COMPANY AS "Customer", o.AMOUNT

FROM ORDERS o, SALESREPS s, CUSTOMERS c

WHERE o.REP = s.emp\_num

AND o.CUST = c.CUST\_NUM

AND o.AMOUNT > 25000;

--8

SELECT DISTINCT OFFICE

FROM OFFICES o, SALESREPS s

WHERE o.OFFICE = s.rep\_office

AND s.Sales > s.quota;

--9

SELECT name, sales, rep\_office

FROM SALESREPS

ORDER BY sales DESC;

-- 10

SELECT c.COMPANY

FROM CUSTOMERS c, ORDERS o, PRODUCTS p

WHERE o.PRODUCT = p.PRODUCT\_ID

AND p.DESCRIPTION like "%Widget"

AND c.CUST\_NUM = o.CUST;

-- 11

SELECT CITY, REGION, (TARGET - sales) as "Amount"

FROM OFFICES;

-- 12

SELECT PRODUCT,SUM(QTY) as "Total\_Parts\_Ordered"

FROM ORDERS

GROUP BY (PRODUCT)

ORDER BY "Total\_Parts\_Ordered" DESC ;

-- 13

-- List the salespeople, the city they work in, and the manager of the office in which they work

SELECT s.name AS 'Employee', o.CITY AS 'Work Place', m.name AS 'Manager'

FROM SALESREPS s

JOIN OFFICES o ON s.rep\_office = o.OFFICE

JOIN SALESREPS m ON o.MGR = m.emp\_num;

-- 14

-- List all orders showing order number, amount, customer name and the customers credit limit where the order was greater than $20,000.

SELECT o.ORDER\_NUM, o.AMOUNT, c.COMPANY as 'name', c.CREDIT\_LIMIT

FROM CUSTOMERS c

JOIN ORDERS o ON o.CUST = c.CUST\_NUM

WHERE o.AMOUNT > 20000;

-- 15

-- Are there any customers who are over their credit limit?

-- If so, list the customer, the total amount the customer has on order, and the credit limit.

SELECT o.ORDER\_NUM, o.AMOUNT, c.COMPANY as 'name', c.CREDIT\_LIMIT

FROM CUSTOMERS c

JOIN ORDERS o ON o.CUST = c.CUST\_NUM

WHERE o.AMOUNT > c.CREDIT\_LIMIT;

-- 16

-- List the salespeople with a higher quota than their manager.

SELECT s.name AS 'Employee', o.CITY AS 'Work Place', m.name AS 'Manager', s.quota, m.quota as 'manger quota'

FROM SALESREPS s

JOIN OFFICES o ON s.rep\_office = o.OFFICE

JOIN SALESREPS m ON o.MGR = m.emp\_num

WHERE s.quota > m.quota;

-- 17

-- List salespeople who work in different offices than their managers, show the name and office where each work.

SELECT s.name AS 'Employee', s.rep\_office AS 'Employee\_Office', o.CITY AS 'Emp\_City', m.name AS 'Manager', m.rep\_office AS 'Manager\_Office', c.CITY AS 'Mgr\_City'

FROM SALESREPS s

JOIN OFFICES o ON s.rep\_office = o.OFFICE

JOIN SALESREPS m ON o.MGR = m.emp\_num

JOIN OFFICES c ON m.rep\_office = c.OFFICE

WHERE s.rep\_office <> m.rep\_office;

-- 18

-- What is the total order size for each salesperson? Order by increasing sales

SELECT s.name AS 'Salesperson', SUM(o.QTY) AS 'Total\_Order\_Size'

FROM ORDERS o

JOIN SALESREPS s ON o.REP = s.emp\_num

GROUP BY s.name

ORDER BY SUM(o.QTY);

--19

-- List all the customers whose sales representative is a manager. Arrange increasing by company.

SELECT c.CUST\_NUM, c.COMPANY, c.CUST\_REP, c.CREDIT\_LIMIT

FROM CUSTOMERS c

JOIN OFFICES o ON c.CUST\_REP = o.MGR

ORDER BY c.COMPANY

--20

-- What is the total order size for each salesperson whose orders total more than $30,000?

SELECT s.name AS 'Salesperson', SUM(o.QTY) AS 'Total\_Order\_Size', SUM(o.AMOUNT) as 'Total Amount'

FROM ORDERS o

JOIN SALESREPS s ON o.REP = s.emp\_num

GROUP BY s.name

HAVING SUM(o.AMOUNT) > 30000

ORDER BY SUM(o.QTY);

--21

-- List the offices where the sales target for the office exceeds the sum of the individual salespeoples quotas.

SELECT o.OFFICE, o.CITY, o.TARGET, SUM(s.quota) AS 'Total\_Quotas'

FROM OFFICES o

JOIN SALESREPS s ON o.OFFICE = s.rep\_office

GROUP BY o.OFFICE, o.CITY, o.TARGET

HAVING o.TARGET > SUM(s.quota);

--22

-- List the salespeople whose quotas are equal to or higher than the target of the Atlanta sales office.

SELECT DISTINCT (s.name) ,s.quota

FROM OFFICES o

JOIN SALESREPS s ON o.OFFICE = s.rep\_office

JOIN OFFICES Atlanta ON o.CITY = 'Atlanta'

WHERE s.quota >= Atlanta.TARGET;

--23

-- List the salespeople who do not work in offices managed by Larry Fitch(employee 108) .

SELECT \*

FROM SALESREPS s

WHERE manager <> 108

--24

-- List the products for which an order of $25,000 or more has been received.

SELECT PRODUCT\_ID as 'Product', SUM(o.AMOUNT) as 'Total'

FROM PRODUCTS p

JOIN ORDERS o ON p.PRODUCT\_ID = o.PRODUCT

GROUP BY PRODUCT\_ID

HAVING SUM(o.AMOUNT) > 25000

--25

-- List the companies who placed an order with a sales rep that is not the sales rep that usually calls on them.

--Include the names of the salesreps, indicating by attribute name who took the order.

SELECT c.COMPANY AS 'Customer', s1.name AS 'Assigned\_Rep', s2.name AS 'Order\_Rep'

FROM ORDERS o

JOIN CUSTOMERS c ON o.CUST = c.CUST\_NUM

JOIN SALESREPS s1 ON c.CUST\_REP = s1.emp\_num -- The usual sales rep for the customer

JOIN SALESREPS s2 ON o.REP = s2.emp\_num -- The sales rep who took the order

WHERE o.REP <> c.CUST\_REP;