SELECT CURRENT\_DATE;

SELECT AGE(CURRENT\_DATE, date)

FROM sales

LIMIT 100;

SELECT

MIN(date) AS earliest,

MAX(date) AS latest

FROM sales

LIMIT 100;

SELECT

date,

COUNT(\*)

FROM sales

GROUP BY date

ORDER BY 2 DESC

LIMIT 100;

SELECT

DATE\_TRUNC('month', date) AS "truncate",

EXTRACT(month FROM date) AS extracted

FROM sales

LIMIT 100;

SELECT

DATE\_TRUNC('month', date) AS "month",

SUM(total) AS monthly\_sales

FROM sales

GROUP BY 1

ORDER BY 2 DESC

LIMIT 100;

SELECT

EXTRACT(dow FROM date) AS day\_of\_week,

SUM(total) AS monthly\_sales,

COUNT(\*) AS transactions

FROM sales

GROUP BY 1

ORDER BY 2 DESC

LIMIT 100;

SELECT

TO\_CHAR(DATE\_TRUNC('month', date), 'YYYY-MM-DD'),

SUM(total)

FROM sales

GROUP BY 1

LIMIT 100;

SELECT \*

FROM sales

WHERE date >= '2015-01-01';

SELECT \*

FROM sales;

SELECT

DATE\_TRUNC('month', date) AS "month",

COUNT(\*) AS transactions

FROM sales

GROUP BY "month"

ORDER BY transactions DESC;

SELECT

EXTRACT(month FROM date) AS "month",

COUNT(\*) AS transactions

FROM sales

GROUP BY "month"

ORDER BY transactions DESC;

SELECT COUNT(\*)

FROM sales

WHERE date = '2014-07-04';

SELECT COUNT(\*)

FROM sales

WHERE EXTRACT(month FROM date) = 7 and EXTRACT(day FROM date) = 4;

SELECT COUNT(\*)

FROM sales

WHERE date >= '2014-05-26' AND date <= '2014-09-01';

SELECT

EXTRACT(year FROM date) AS "year",

MAX(date)

FROM sales

WHERE EXTRACT(dow FROM date) = 1 AND EXTRACT(month FROM date) = 5

GROUP BY "year";

SELECT

county,

COUNT(\*) AS number\_sales

FROM sales

WHERE

(county = 'Des Moines' AND date >= '2014-07-01' AND date <= '2014-08-31')

OR (county = 'Black Hawk' AND EXTRACT(year FROM date) = 2014 AND EXTRACT(month FROM date) IN (1,2))

GROUP BY county;

SELECT \*

FROM fy17

UNION

SELECT \*

FROM fy18

ORDER BY fy, store\_name;

SELECT week1, week3

FROM fy17

UNION

SELECT week2, week4

FROM fy17;

SELECT week1::text

FROM fy17

UNION

SELECT store\_name

FROM fy17;

SELECT \*

FROM counties -- PK county

LIMIT 100;

SELECT \*

FROM products -- PK item\_no

LIMIT 100;

SELECT \*

FROM stores -- PK store

LIMIT 100;

SELECT \*

FROM sales -- FK store, county, item

LIMIT 100;

SELECT

sales.item,

stores.store\_address

FROM sales

JOIN stores

USING(store)

LIMIT 100;

SELECT

a.item,

b.store\_address

FROM sales a

JOIN stores AS b

USING(store)

LIMIT 100;

SELECT

a.item,

b.store\_address

FROM sales a, stores AS b

WHERE a.store = b.store

LIMIT 100;

SELECT

a.item,

b.store\_address

FROM sales a, stores AS b

WHERE a.store = b.store AND a.date = '2014-01-31'

LIMIT 100;

SELECT

sales.item,

sales.description,

sales.total,

products.list\_date

FROM

sales

JOIN

products

ON sales.item = products.item\_no

LIMIT 100;

SELECT

sales.item,

sales.description,

sales.total,

products.list\_date

FROM

sales,

products

WHERE sales.item = products.item\_no

LIMIT 100;

SELECT

products.item\_description,

products.category\_name,

stores.store\_address

FROM

products

JOIN

sales

ON sales.item = products.item\_no

JOIN

stores

USING(store)

LIMIT 100;

SELECT REPLACE(store\_address, E'\n', ' NEWLINE ')

FROM stores

WHERE store\_address ILIKE '%Mason City%'

LIMIT 100;

SELECT REPLACE(store\_address, E'\n', ' NEWLINE ')

FROM stores

WHERE store\_address ILIKE '%Mason City%'

LIMIT 100;

SELECT DISTINCT ON (products.item\_description)

products.category\_name,

stores.store\_address

FROM

products

JOIN

sales

ON sales.item = products.item\_no

JOIN

stores

USING(store)

WHERE stores.store\_address ILIKE '%Mason City%'

LIMIT 100;

SELECT

counties.county,

counties.population,

stores.store,

stores.name,

products.item\_description,

products.case\_cost,

sales.total

FROM sales

JOIN stores ON sales.store = stores.store

JOIN products ON sales.item = products.item\_no

JOIN counties ON sales.county = counties.county

LIMIT 1000;

SELECT

counties.county,

counties.population,

stores.store,

stores.name,

products.item\_description,

products.case\_cost,

sales.total

FROM counties

JOIN sales USING(county)

JOIN stores USING(store)

JOIN products ON sales.item = products.item\_no

LIMIT 1000;

SELECT

counties.county,

counties.population,

stores.store,

stores.name,

products.item\_description,

products.case\_cost,

sales.total

FROM

counties,

sales,

stores,

products

WHERE

sales.item = products.item\_no

AND counties.county = sales.county

AND stores.store = sales.store

LIMIT 1000;

/\* List the store number (from Sales), category\_name (from Sales), and two

aggregated columns: average bottle\_price (from Products) and average total

price (from Sales).

2. Use a compounded WHERE clause to limit the calculations to the sales of

tequila (category\_name from Sales) from active stores in Mason City, Iowa.

3. Group and sort the data by the store number. \*/