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--Lab 6

--1.

SELECT COUNT(\*) AS "Number of Invoices"

FROM ap.invoices;

--2.

SELECT COUNT(payment\_date) AS "Number of Valid Payment Dates"

FROM ap.invoices

WHERE payment\_date IS NOT NULL;

--3. --not right output

SELECT COUNT(payment\_date) AS "Number of Null Payment Dates"

FROM ap.invoices

WHERE payment\_date IS NULL;

--4. --output 40?

SELECT DISTINCT payment\_date AS "Different Payment Dates"

FROM ap.invoices

WHERE payment\_date IS NOT NULL

ORDER BY payment\_date ASC;

--5.

SELECT COUNT(DISTINCT payment\_date) AS "Number of Diff. Payment Dates"

FROM ap.invoices

WHERE payment\_date IS NOT NULL;

--6.

SELECT to\_char(SUM(invoice\_total), '999,999.99') AS "Total Invoice Amount"

FROM ap.invoices;

--7.

SELECT to\_char(AVG(invoice\_total), '9999.999') AS "Average Invoice Amount"

FROM ap.invoices;

--OR

SELECT round(AVG(invoice\_total), 3) AS "Average Invoice Amount"

FROM ap.invoices;

--8. 1880?

SELECT to\_char(AVG(invoice\_total), '9999') AS "Average Invoice Amount"

FROM ap.invoices;

--OR

SELECT round(AVG(invoice\_total), 0) AS "Average Invoice Amount"

FROM ap.invoices;

--9.

SELECT Min(invoice\_total) AS "Lowest Invoice Total",

Max(invoice\_total) AS "Highest Invoice Total"

FROM ap.invoices;

--10. not right output

SELECT to\_char(Min(invoice\_total), '$9.99') AS "Lowest Invoice Total",

to\_char(Max(invoice\_total), '$99,999.99') AS "Highest Invoice Total"

FROM ap.invoices;

--11.

SELECT Max(vendor\_name) AS "Last Vendor"

FROM ap.vendors;

--12.

SELECT MIN(invoice\_date) AS "Earliest Invoice Date"

FROM ap.invoices;

--13.

SELECT invoice\_date, COUNT(\*) AS "Invoices per Date"

FROM ap.invoices

GROUP BY invoice\_date

ORDER BY invoice\_date ASC;

--14.

SELECT invoice\_total, COUNT(\*) AS "Invoices Less Than $10.00"

FROM ap.invoices

GROUP BY invoice\_total

HAVING invoice\_total < 10.00

ORDER BY invoice\_total;

--15.

SELECT vendor\_state, COUNT(\*) AS "Vendors per State"

FROM ap.vendors

GROUP BY vendor\_state

ORDER BY vendor\_state ASC;

--16.

SELECT vendor\_state, COUNT(\*) AS "Vendors per State"

FROM ap.vendors

GROUP BY vendor\_state

HAVING COUNT(\*) >= 3

ORDER BY COUNT(\*) DESC;

--17.

SELECT terms\_id, COUNT(\*) AS "Number in Terms Id Category"

FROM ap.invoices

GROUP BY terms\_id

ORDER BY terms\_id ASC;

--18.

SELECT invoice\_date, COUNT(\*) AS "Invoices in June, 2008"

FROM ap.invoices

WHERE invoice\_date BETWEEN '01-JUN-08' AND '30-JUN-08'

GROUP BY invoice\_date

ORDER BY invoice\_date ASC;

--19.

SELECT invoice\_date, COUNT(\*) AS "Invoices in June 2008"

FROM ap.invoices

GROUP BY invoice\_date

HAVING invoice\_date BETWEEN '01-JUN-08' AND '30-JUN-08'

ORDER BY invoice\_date ASC;

--20. --wrong

SELECT COUNT(INVOICE\_DATE) AS "Difference in Days",

COUNT(INVOICE\_DUE\_DATE) AS "How Many?"

FROM ap.invoices

WHERE INVOICE\_DATE = INVOICE\_DUE\_DATE

HAVING invoice\_date <= 80 AND invoice\_due\_date <= 2

ORDER BY INVOICE\_DATE, INVOICE\_DUE\_DATE;