-- HOMEWORK

--Q1:How many sales people are currently have active territories? (Use sales.salesperson) (1 row - 14)

SELECT COUNT(sp.businessentityid)

FROM sales.salesperson AS sp

WHERE sp.territoryid IS NOT NULL;

--Q2:How many sales orders have been processed by these sales people? (Use sales.salesorderheader) (1 row - 3703)

SELECT COUNT(DISTINCT(salesorderid)) AS "totalnumsalesorders"

FROM sales.salesorderheader AS oh

WHERE oh.salespersonid IN

(SELECT sp.businessentityid

FROM sales.salesperson AS sp

WHERE sp.territoryid IS NOT NULL);

--Q3: Create tiers for sales bonus amounts for all sales persons with territories assigned: (14 rows)

SELECT sp.businessentityid,

CASE

WHEN sp.bonus BETWEEN 0 AND 2000 THEN 1

WHEN sp.bonus BETWEEN 2001 AND 4500 THEN 2

ELSE 3

END AS "bonustier"

FROM sales.salesperson AS sp

WHERE sp.territoryid IS NOT NULL;

--Q4:Create a table showing the total sales generated in each of the bonus tiers. What trends do we see? (3 rows)

SELECT sub.bonustier, SUM(sub.totaldue)::money AS totalsales

FROM

(SELECT

CASE

WHEN sp.bonus BETWEEN 0 AND 2000 THEN 1

WHEN sp.bonus BETWEEN 2001 AND 4500 THEN 2

ELSE 3

END AS bonustier,

oh.totaldue

FROM sales.salesperson AS sp

RIGHT JOIN sales.salesorderheader AS oh

ON oh.salespersonid = sp.businessentityid

WHERE sp.territoryid IS NOT NULL) AS sub

GROUP BY sub.bonustier

ORDER BY bonustier ASC;