

1. Provide the **name** of the **sales\_rep** in each **region** with the largest amount of **total\_amt\_usd** sales. You will need to join the two tables!

SELECT s.name rep\_name, r.name region\_name, SUM(o.total\_amt\_usd) total\_amt

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY 1,2

ORDER BY 3 DESC;

SELECT region\_name, MAX(total\_amt) total\_amt

FROM(SELECT s.name rep\_name, r.name region\_name, SUM(o.total\_amt\_usd) total\_amt

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY 1, 2) t1

GROUP BY 1;

SELECT t3.rep\_name, t3.region\_name, t3.total\_amt

FROM(SELECT region\_name, MAX(total\_amt) total\_amt

FROM(SELECT s.name rep\_name, r.name region\_name, SUM(o.total\_amt\_usd) total\_amt

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY 1, 2) t1

GROUP BY 1) t2

JOIN (SELECT s.name rep\_name, r.name region\_name, SUM(o.total\_amt\_usd) total\_amt

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY 1,2

ORDER BY 3 DESC) t3

ON t3.region\_name = t2.region\_name AND t3.total\_amt = t2.total\_amt;

1. For the region with the largest (sum) of sales **total\_amt\_usd**, how many **total** (count) orders were placed?

SELECT r.name, COUNT(o.total) total\_orders

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY r.name

HAVING SUM(o.total\_amt\_usd) = (

SELECT MAX(total\_amt)

FROM (SELECT r.name region\_name, SUM(o.total\_amt\_usd) total\_amt

FROM sales\_reps s

JOIN accounts a

ON a.sales\_rep\_id = s.id

JOIN orders o

ON o.account\_id = a.id

JOIN region r

ON r.id = s.region\_id

GROUP BY r.name) sub);

1. **How many accounts** had more **total** purchases than the account **name** which has bought the most **standard\_qty** paper throughout their lifetime as a customer?
2. For the customer that spent the most (in total over their lifetime as a customer) **total\_amt\_usd**, how many **web\_events** did they have for each channel?
3. What is the lifetime average amount spent in terms of **total\_amt\_usd** for the top 10 total spending **accounts**?
4. What is the lifetime average amount spent in terms of **total\_amt\_usd**, including only the companies that spent more per order, on average, than the average of all orders.