Diagram

Description automatically generated

### Questions: HAVING

1. How many of the **sales reps** have more than 5 accounts that they manage?

SELECT

s.name sales\_rep,

COUNT(\*) num\_accounts

FROM accounts a

JOIN sales\_reps s

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

GROUP BY s.name

HAVING COUNT(\*)>5

ORDER BY num\_accounts;

1. How many **accounts** have more than 20 orders?

select

a.name,

COUNT(\*) num\_orders

FROM ORDERS o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

HAVING COUNT(\*)>20

ORDER BY num\_orders;

1. Which account has the most orders?

SELECT

a.name,

COUNT(\*) max\_orders

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

ORDER BY max\_orders DESC

LIMIT 1;

1. Which accounts spent more than 30,000 usd total across all orders?

SELECT

a.name,

SUM(o.total\_amt\_usd) total

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

HAVING SUM(o.total\_amt\_usd)>30000

ORDER BY total DESC;

1. Which accounts spent less than 1,000 usd total across all orders?

SELECT

a.name,

SUM(o.total\_amt\_usd) total

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

HAVING SUM(o.total\_amt\_usd)<1000

ORDER BY total DESC;

1. Which account has spent the most with us?

SELECT

a.name,

SUM(o.total\_amt\_usd) total

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

ORDER BY total DESC

LIMIT 1;

1. Which account has spent the least with us?

SELECT

a.name,

SUM(o.total\_amt\_usd) total

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

GROUP BY a.name

ORDER BY total

LIMIT 1;

1. Which accounts used facebook as a **channel** to contact customers more than 6 times?

SELECT

a.name accounts,

w.channel,

COUNT(\*) contact\_customer\_times

FROM web\_events w

JOIN accounts a

ON w.account\_id=a.id

GROUP BY a.name,w.channel

HAVING COUNT(\*)>6 and w.channel='facebook'

ORDER BY contact\_customer\_times;

1. Which account used facebook most as a **channel**?

SELECT

a.name accounts,

w.channel,

COUNT(\*) contact\_customer\_times

FROM web\_events w

JOIN accounts a

ON w.account\_id=a.id

GROUP BY a.name,w.channel

HAVING w.channel='facebook'

ORDER BY contact\_customer\_times DESC

LIMIT 1;

1. Which channel was most frequently used by most accounts? Channel= ‘direct’

SELECT

a.name accounts,

w.channel,

COUNT(\*) contact\_customer\_times

FROM web\_events w

JOIN accounts a

ON w.account\_id=a.id

GROUP BY a.name,w.channel

ORDER BY contact\_customer\_times DESC

LIMIT 10;