Parsen & Posey Requirements Sample

- Provide the name of the sales rep. in each region with the largest amount of sales.
- 2. For the region with the largest sum of sales, how many total (count) orders were placed?
- 3. For the customer that spent the most (in total over their lifetime as a customer), how many web events did they have for each channel?
- 4. What is the lifetime average amount spent in terms of total amount of sales for the top 10 total spending accounts?

```
SELECT t2.max tot_sales, t2.region_name, t3.sr_name
FROM
  (SELECT MAX(total amt) max tot sales, region name
  FROM
    (SELECT sum(o.total amt usd) as total amt, sr.name sr name, r.name region name
      from region r
     join sales reps sr
     on r.id = sr.region id
     join accounts a
     on a.sales rep id = sr.id
     join orders o
      on o.account id = a.id
      group by sr_name, region_name) t1
  GROUP BY region name) t2
JOIN
  (SELECT sum(o.total amt usd) as total amt, sr.name sr name, r.name region name
 from region r
 join sales reps sr
 on r.id = sr.region id
 join accounts a
 on a.sales rep id = sr.id
 join orders o
 on o.account_id = a.id
  group by sr_name, region_name) t3
on t2.max_tot_sales = t3.total_amt AND t2.region_name = t3.region_name
```

max_tot_sales	region_name	sr_name
675637.19	Midwest	Charles Bidwell
1098137.72	Southeast	Earlie Schleusner
886244.12	West	Georgianna Chisholm
1010690.60	Northeast	Tia Amato

```
SELECT *
FROM
  (SELECT MAX(t2.count), t2.region name
 FROM
    (SELECT sum(o.total_amt_usd) as total_amt_usd, r.name region_name, count(*) as count
    from region r
     join sales reps sr
     on r.id = sr.region id
     join accounts a
     on a.sales rep id = sr.id
     join orders o
     on o.account_id = a.id
    group by region name) t2
    GROUP BY t2.region name ) t4
JOIN
  (SELECT sum(o.total_amt_usd) as total_amt_usd, r.name region_name, count(*) as count
  from region r
   join sales reps sr
   on r.id = sr.region id
   join accounts a
   on a.sales rep id = sr.id
   join orders o
    on o.account id = a.id
  group by region name) t1
```

name

total_orders

Northeast

2357

```
SELECT we.channel, a.id account idd, COUNT(*)
FROM web events we
 JOIN accounts a
 ON we.account id = a.id
 GROUP BY 1,2
 HAVING a.id =
    (SELECT t1.account id
    FROM
      ((SELECT a.id account id, sum(o.total amt usd) as total sum of orders
      FROM accounts a
       JOIN orders o
        ON a.id = o.account id
       GROUP BY 1
        ORDER BY 2 DESC
        LIMIT 1))t1)
 ORDER BY count DESC
```

channel	account_idd	count
direct	4211	44
organic	4211	13
adwords	4211	12
facebook	4211	11
twitter	4211	5
banner	4211	4

```
SELECT AVG(t1.tot_spent) as avg_lifetime_spent
FROM
  (SELECT a.name acc_name, sum(o.total_amt_usd) tot_spent
  FROM accounts a
  JOIN orders o
  ON a.id = o.account id
  GROUP BY 1
  ORDER BY 2 DESC
  LIMIT 10) t1
```



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