1. Find the total amount of **poster\_qty** paper ordered in the **orders** table.
2. Find the total amount of **standard\_qty** paper ordered in the **orders** table.
3. Find the total dollar amount of sales using the **total\_amt\_usd** in the **orders** table.
4. Find the total amount spent on **standard\_amt\_usd** and **gloss\_amt\_usd** paper for each order in the orders table. This should give a dollar amount for each order in the table.
5. Find the **standard\_amt\_usd** per unit of **standard\_qty** paper. Your solution should use both an aggregation and a mathematical operator.
6. Which **account** (by name) placed the earliest order? Your solution should have the **account name** and the **date** of the order.

**SELECT accounts.name as Account\_Name, MIN(orders.occurred\_at) as Earliest\_Order**

**FROM orders**

**JOIN accounts**

**ON accounts.id=orders.account\_id**

**GROUP BY accounts.name**

1. Find the total sales in **usd** for each account. You should include two columns - the total sales for each company's orders in **usd** and the company **name**.

**SELECT accounts.name Account\_Name, SUM(orders.total\_amt\_usd) Total\_Sales**

**FROM orders**

**JOIN accounts**

**ON accounts.id=orders.account\_id**

**GROUP BY accounts.name**

1. Via what **channel** did the most recent (latest) **web\_event** occur, which **account** was associated with this **web\_event**? Your query should return only three values - the **date**, **channel**, and **account name**.

**SELECT accounts.name Account\_name, MAX(web\_events.occurred\_at)Latest\_date, web\_events.channel Channel**

**FROM web\_events**

**JOIN accounts**

**ON accounts.id=web\_events.account\_id**

**GROUP BY accounts.name,web\_events.channel**

1. Find the total number of times each type of **channel** from the **web\_events** was used. Your final table should have two columns - the **channel** and the number of times the channel was used.
2. Who was the **primary contact** associated with the earliest **web\_event**?

**SELECT accounts.primary\_poc,MIN(web\_events.occurred\_at)Eriesr\_date**

**FROM web\_events**

**JOIN accounts**

**ON accounts.id=web\_events.account\_id**

**GROUP BY accounts.primary\_poc**

1. What was the smallest order placed by each **account** in terms of **total usd**. Provide only two columns - the account **name** and the **total usd**. Order from smallest dollar amounts to largest.

**SELECT accounts.name as Account\_Name, MIN(orders.total\_amt\_usd) Min\_Total\_USD**

**FROM orders**

**JOIN accounts**

**ON accounts.id=orders.account\_id**

**GROUP BY accounts.name**

**ORDER BY Min\_Total\_USD**

1. Find the number of **sales reps** in each region. Your final table should have two columns - the **region** and the number of **sales\_reps**. Order from fewest reps to most reps.

SELECT region.name Region\_Name, COUNT(sales\_reps.name) No\_of\_Sales\_Reps

FROM sales\_reps

JOIN region

ON region.id=sales\_reps.region\_id

GROUP BY (region.name)

ORDER BY No\_of\_Sales\_Reps

1. For each account, determine the average amount of each type of paper they purchased across their orders. Your result should have four columns - one for the account **name** and one for the average quantity purchased for each of the paper types for each account.

SELECT accounts.name Account\_Name, AVG(orders.standard\_qty) Average\_Standard,

AVG(orders.gloss\_qty) Average\_Gloss,

AVG(orders.poster\_qty) Average\_Poster

FROM accounts

JOIN orders

ON accounts.id= orders.account\_id

GROUP BY accounts.name

1. For each account, determine the average amount spent per order on each paper type. Your result should have four columns - one for the account **name** and one for the average amount spent on each paper type.

**SELECT accounts.name Account\_Name, AVG(orders.standard\_amt\_usd) Average\_Standard,**

**AVG(orders.gloss\_amt\_usd) Average\_Gloss,**

**AVG(orders.poster\_amt\_usd) Average\_Poster**

**FROM accounts**

**JOIN orders**

**ON accounts.id= orders.account\_id**

**GROUP BY accounts.name**

1. Determine the number of times a particular **channel** was used in the **web\_events** table for each **sales rep**. Your final table should have three columns - the **name of the sales rep**, the **channel**, and the number of occurrences. Order your table with the highest number of occurrences first.
2. Determine the number of times a particular **channel** was used in the **web\_events** table for each **region**. Your final table should have three columns - the **region name**, the **channel**, and the number of occurrences. Order your table with the highest number of occurrences first.