1. How many organisations in total?

Query -

SELECT count(1)

FROM organisations

Result - 100

Query Run time - 18ms

2. How many organisations do not have offer\_requests?

Query -

SELECT Count(DISTINCT organisations.id)

FROM   organisations

       LEFT JOIN offer\_requests

               ON organisations.id = offer\_requests.organisation\_id

WHERE  offer\_requests.id IS NULL;

Result - 0

Query Run time - 15ms

3. How many organisations have offer\_requests?

Query -

SELECT Count(DISTINCT organisations.id)

FROM   organisations

       LEFT JOIN offer\_requests

               ON organisations.id = offer\_requests.organisation\_id

WHERE offer\_requests.id IS NOT NULL;

Result - 60000

Query Run time - 6ms

4. How many organisations have no offers?

Query-

SELECT Count(DISTINCT organisations.id)

FROM   organisations

       LEFT JOIN offers

              ON organisations.id = offers.organisation\_id

WHERE  offers.id IS NULL;

Result - 0

Query Run time - 16ms

5. Which organisation has maximum offers and how many offers?

Query-

SELECT organisations.org\_name,

       Count(1)

FROM   organisations

       INNER JOIN offers

               ON organisations.id = offers.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 DESC

LIMIT  1;

Result - moaning\_turquoise,10915

Query Run time - 14ms

6. Which organisation has minimum offers and how many offers?

Query-

SELECT organisations.org\_name,

       Count(1)

FROM   organisations

       INNER JOIN offers

               ON organisations.id = offers.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 ASC

LIMIT  1;

Result - native\_lime,420

Query Run time - 14ms

7. Which organisation has maximum orders and how many orders?

Query-

SELECT organisations.org\_name,

       Count(1)

FROM   organisations

       INNER JOIN orders

               ON organisations.id = orders.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 DESC

LIMIT  1;

Result - dual\_sapphire,32

Query Run time - 15ms

8. Which organisation has minimum orders and how many orders?

Query-

SELECT organisations.org\_name,

       Count(1)

FROM   organisations

       INNER JOIN orders

               ON organisations.id = orders.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 ASC

LIMIT  1;

Result - hollow\_amber,1

Query Run time - 11ms

9. Which organisation has the maximum total amount of offers and what is the amount?

Query-

SELECT organisations.org\_name,

       Sum(offers.total\_amount)

FROM   organisations

       INNER JOIN offers

               ON organisations.id = offers.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 DESC

LIMIT  1;

Result - moaning\_turquoise,324947704

Query Run time - 18ms

10. Which organisation has the maximum total amount of orders and what is the amount?

Query-

SELECT organisations.org\_name,

       Sum(orders.total\_amount)

FROM   organisations

       INNER JOIN orders

               ON organisations.id = orders.organisation\_id

GROUP  BY organisations.org\_name

ORDER  BY 2 DESC

LIMIT  1;

Result - dual\_sapphire,1123713

Query Run time - 9ms