Organisation Queries

1. How many organisations in total?

Query-
SELECT COUNT(id) as Total_Organisations
FROM public.organisations;

Result- 100
Query Run time- 42ms

2. How many organisations do not have offer_requests?

Query-

SELECT 100 - COUNT(DISTINCT b.organisation_id)
FROM public.organisations a
LEFT JOIN public.offer_requests b
on a.id = b.organisation_id;

Result- 0
Query Run time- 167ms

3. How many organisations have offer_requests?

Query-

SELECT COUNT(DISTINCT(b.organisation_id))
FROM organisations a
LEFT JOIN offer_requests b
ON a.id = b.organisation_id

Result- 100
Query Run time- 165ms

4. How many organisations have no offers?

Query-
SELECT 100 - COUNT(DISTINCT b.organisation_id)
FROM public.organisations a
LEFT JOIN public.offers b
on a.id = b.organisation_id;

Result- 0
Query Run time- 477ms

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

Query-
SELECT a.org_name, COUNT(b.organisation_id) count_max_offers
FROM public.organisations a
LEFT JOIN public.offers b
on a.id = b.organisation_id
GROUP BY a.org_name
ORDER BY count_max_offers DESC
LIMIT 1;

Result- moaning_turquoise| 10,915

Query Run time- 136ms

6. Which organisation has minimum offers and how many offers?
Query-
SELECT a.org_name, COUNT(b.organisation_id) count_max_offers
FROM public.organisations a
LEFT JOIN public.offers b
on a.id = b.organisation_id
GROUP BY a.org_name
ORDER BY count_max_offers
LIMIT 1;

Result- native_lime | 420
Query Run time- 140ms

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

Query-
SELECT a.org_name, COUNT(b.organisation_id) count_max_orders
FROM public.organisations a
LEFT JOIN public.orders b
on a.id = b.organisation_id
GROUP BY a.org_name
ORDER BY count_max_orders DESC
limit 1;

Result- dual_sapphire | 32
Query Run time- 43ms

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

Query-
SELECT b.org_name, COUNT(a.organisation_id) count_max_orders
FROM public.orders a
LEFT JOIN public.organisations b
on a.organisation_id = b.id
GROUP BY b.org_name
ORDER BY count_max_orders
LIMIT 1;

Result- hollow_amber | 1
Query Run time- 32ms

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

Query-
SELECT b.org_name, SUM(a.total_amount) max_offer_amt
FROM public.offers a
LEFT JOIN public.organisations b
on a.organisation_id = b.id
GROUP BY b.org_name , a.total_amount
ORDER BY max_offer_amt DESC
LIMIT 1;

Result- moaning_turquoise | 56,200,000
Query Run time- 230ms

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

Query-
SELECT b.org_name, SUM(a.total_amount) max_order_amt
FROM public.orders a
LEFT JOIN public.organisations b
on a.organisation_id = b.id
GROUP BY b.org_name, a.total_amount
ORDER BY max_order_amt DESC
LIMIT 1;

Result- moaning_turquoise | 350000
Query Run time- 41ms