

1. How many organisations in total?

Query - select count(*) Org_name from organisations;

Result – 100

Run time – 830 ms

2. How many organisations do not have offer_requests?

Query - SELECT id, org_name FROM organisations WHERE NOT EXISTS (SELECT organisation_id FROM offer_requests WHERE organisations.id = offer_requests.organisation_id);

Results – 0

Run time - 81ms

3. How many organisations have offer_requests?

Query - SELECT id, org_name FROM organisations WHERE EXISTS (SELECT organisation_id FROM offer_requests WHERE organisations.id = offer_requests.organisation_id);

Result –100

Runtime- 101ms

4. How many organisations have no offers?

Query - SELECT id, org_name FROM organisations WHERE EXISTS (SELECT organisation_id FROM offers WHERE organisations.id = offers.organisation_id);

Result – 0

Runtime - 150ms

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

Query: SELECT organisation_id, count(id) FROM offers GROUP BY organisation_id ORDER BY count(id) desc limit 1;

Result - org_0000000000WR10DFx1nc6 10915

Runtime – 341ms

Query - select * from organisations where id ='org_0000000000WR10DFx1nc6';

org_0000000000WR10DFx1nc6 moaning_turquoise 2020-08-18 22:31:05.000 +0100

Runtime – 89 ms

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

Query - SELECT organisation_id, count(id) FROM offers GROUP BY organisation_id ORDER BY count(id) asc limit 1;

Result - org_0000000000WR10DFzlaeZ 420

Runtime - 141ms

select * from organisations where id ='org_0000000000WR10DFzlaeZ';

Result - org_0000000000WR10DFzlaeZnative_lime 2021-05-12 04:42:55.000 +0100

Runtime – 91ms

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

Query - SELECT organisation_id, count(id) FROM orders GROUP BY organisation_id ORDER BY count(id) desc limit 1;

Result - org_0000000000WR10DFx1nc8 32

Runtime – 84 ms

org_0000000000WR10DFx1nc8 dual_sapphire 2020-08-25 03:09:02.000 +0100

Runtime - 82ms

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

Query - SELECT organisation_id, count(id) FROM orders GROUP BY organisation_id ORDER BY count(id) asc limit 1;

Result -

org_0000000000WR10DFx1ncG 1

Runtime – 86ms

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

Query - select organisation_id, max(total_amount) from offers group by organisation_id order by count(organisation_id)desc limit 1;

Result - org_0000000000WR10DFx1nc6 50000

Runtime – 182 ms

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

Query - select organisation_id, max(total_amount) from orders group by organisation_id order by count(organisation_id)desc;

org_0000000000WR10DFx1nc8 50000

Runtime – 96 ms