

1. How many organisations in total?

Query -

```
SELECT count(1)
FROM organisations
```

Result - 100

Query Run time - 4ms

2. How many organisations do NOT have offer_requests?

Query -

```
SELECT count(*)
FROM organisations o
WHERE id
NOT IN (SELECT organisation_id FROM offer_requests or2)
```

Result - 0

Query Run time - 20ms

3. How many organisations have offer_requests?

Query -

```
SELECT count(*)
FROM organisations o
WHERE id
IN (SELECT organisation_id FROM offer_requests or2)
```

Result - 100

Query Run time - 20ms

4. How many organisations have no offers?

Query -

```
SELECT count(*)
FROM organisations o
WHERE id
NOT IN (SELECT organisation_id FROM offers o2)
```

Result - 0

Query Run time - 20ms

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

Query -

```
SELECT o.organisation_id ,count(*),o2.org_name
FROM offers o
JOIN organisations o2
ON o.organisation_id =o2.id
GROUP BY o.organisation_id,o2.org_name
ORDER BY 2 desc
LIMIT 1
```

Result - moaning_turquoise 10915

Query Run time - 4ms

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

Query -

```
SELECT o.organisation_id ,count(*),o2.org_name
FROM offers o
JOIN organisations o2
on o.organisation_id =o2.id
GROUP BY o.organisation_id,o2.org_name
ORDER BY 2
LIMIT 1
```

Result - native_lime 420

Query Run time - 131ms

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

Query -

```
SELECT o.organisation_id ,count(*),o2.org_name
FROM orders o
JOIN organisations o2
on o.organisation_id =o2.id
GROUP BY o.organisation_id,o2.org_name
ORDER BY 2 desc
LIMIT 1
```

Result - dual_sapphire 32

Query Run time - 7ms

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

Query -

```
SELECT o.organisation_id ,count(*) ,o2.org_name
FROM orders o
RIGHT JOIN organisations o2
ON o.organisation_id =o2.id
GROUP BY o.organisation_id,o2.org_name
HAVING organisation_id is NULL
```

Result - frequent_blue
pale_plum
awkward_aquamarine
liable_harlequin
accurate_crimson
beneficial_crimson
nutritious_silver
sole_brown
cautious_ivory
frightened_salmon
visiting_gold
hollow_amber
hidden_blush
unnecessary_copper
potential_coffee
adverse_red
hard_salmon
experimental_blush
willing_maroon
devoted_brown
deliberate_indigo
extended_tomato
official_apricot
angry_violet
primitive_cyan
lucky_white
accessible_aqua
rural_sapphire
rural_scarlet
forthcoming_salmon
valid_orange

Total 20 organisation have 0 order
Query Run time - 4ms

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

Query -

```
select org_name,count(*),organisation_id
FROM offers o
JOIN organisations o2
on o.organisation_id =o2.id
GROUP BY o2.org_name,organisation_id
order by 2 desc
limit 1
```

Result - moaning_turquoise 50000

Query Run time - 8ms

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

Query -

```
select org_name,count(*),organisation_id
FROM orders o
JOIN organisations o2
on o.organisation_id =o2.id
GROUP BY o2.org_name,organisation_id
order by 2 desc
limit 1
```

Result - dual_sapphire 32 order and amount 50000

Query Run time - 10ms