

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