

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(o.id)
```

```
from organisations o
```

```
where o.id not in (select or2.organisation_id from offer_requests or2);
```

Result - 0

(There is no such organisation id without offer request.)

Query Run time - 49 ms

3. How many organisations have offer_requests?

Query -

```
select count(o.id)
```

```
from organisations o
```

```
where o.id in (select or2.organisation_id from offer_requests or2);
```

Result - 100

Query Run time - 50ms

4. How many organisations have no offers?

Query -

```
select count(o.id)
```

```
from organisations o
```

```
where o.id not in (select o2.organisation_id from offers o2 );
```

Result - 0

Query Run time -56ms

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

Query -

```
select o2.id ,count(1) as total_offer
```

```
from organisations o2 inner join offers o on o2.id = o.organisation_id
```

```
group by o2.id
```

```
order by total_offer desc
```

```
limit 1;
```

Result -

id	total_offer
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org_00000000000WR10DFx1nc6	10915
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Query Run time - 142 ms

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

Query -

```
select o2.id ,count(1) as total_offer
from organisations o2 inner join offers o on o2.id = o.organisation_id
group by o2.id
order by total_offer asc
limit 1;
```

Result -

id	total_offer
org_000000000000WR10DFzlaeZ	420

Query Run time – 151 ms

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

Query -

```
select o2.id, count(1) as total_ct
from organisations o2 inner join orders o on o2.id = o.organisation_id
group by o2.id
order by total_ct desc
limit 1;
```

Result -

id	total_ct
org_000000000000WR10DFx1nc8	32

Query Run time - 32 ms

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

Query -

```
select o2.id, count(1) as total_ct
from organisations o2 inner join orders o on o2.id = o.organisation_id
group by o2.id
order by total_ct asc
limit 1;
```

Result -

id	total_ct
org_000000000000WR10DFzlaee	1

Query Run time - 39 ms

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

Query -

```
select o2.id ,sum(total_amount) as total_offer
from organisations o2 inner join offers o  on o2.id = o.organisation_id
group by o2.id
order by total_offer desc
limit 1;
```

Result-

id	total_offer
org_00000000000WR10DFx1nc6	324947704

Query Run time - 152 ms

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

Query -

```
select organisations.id ,sum(total_amount) as total_amt
from organisations inner join orders  on organisations.id = orders.organisation_id
group by organisations.id
order by total_amt desc
limit 1;
```

Result -

id	total_amt
org_00000000000WR10DFx1nc8	1123713

Query Run time - 37 ms