

1. How many organisations in total?

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

Result - 100

Query Run time - 4ms

2. How many organisations do not have offer\_requests?

```
select count(1) from organisations o
left join offer_requests or2 on o.id=or2.organisation_id
where or2.organisation_id is null
```

Result - 0

Query Run time - 58ms

3. How many organisations have offer\_requests?

```
select count(1) from organisations o
left join offer_requests or2 on o.id=or2.organisation_id
where or2.organisation_id is not null
```

Result – 60,000

Query Run time - 61ms

4. How many organisations have no offers?

```
select count(*) from organisations o
left join offers o2 on o.id = o2.organisation_id
where o2.id is null
```

Result - 0

Query Run time - 22ms

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

```
select o.org_name,count(1) from organisations o
inner join offers or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 desc limit 1;
```

Result –

org_name	count
moaning_turquoise	10,915

Query Run time - 150ms

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

```
select o.org_name,count(1) from organisations o
inner join offers or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 asc limit 1;
```

Result –

org_name	count
native_lime	420

Query Run time - 152ms

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

```
select o.org_name,count(1) from organisations o
inner join orders or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 desc limit 1;
```

Result –

org_name	count
dual_sapphire	32

Query Run time - 26ms

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

```
select o.org_name,count(1) from organisations o
inner join orders or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 asc limit 1;
```

Result -

org_name	count
deliberate_indigo	1

Query Run time - 18ms

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

```
select o.org_name,sum(or2.total_amount) from organisations o
inner join offers or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 desc limit 1;
```

Result –

org_name	count
moaning_turquoise	324,947,704

Query Run time - 157ms

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

```
select o.org_name,sum(or2.total_amount) from organisations o
inner join orders or2 on o.id=or2.organisation_id
group by o.org_name, o.id
order by 2 desc limit 1;
```

Result –

org_name	count
dual_sapphire	1,123,713

Query Run time - 29ms