

## SQL queries

- How many organisations in total?

**Query -**

```
select count(*)  
from organisations
```

Result - 100

Query Run Time - 0.16ms

- How many organisations do not have offer\_requests?

**Query -**

```
select count(*)  
from organisations  
where id not in  
(select organisation_id  
from offer_requests)
```

Result - 0

Query Run Time - 96.6ms

- How many organisations have offer\_requests?

**Query -**

```
select count(*)  
from organisations  
where id in  
(select organisation_id  
from offer_requests)
```

Result - 1

Query Run Time - 98.68ms

- How many organisations have no offers?

**Query -**

```
select count(*)  
from organisations  
where id not in  
(select organisation_id
```

from offers)

Result - 0

Query Run Time - 273.45ms

- Which organisation has maximum offers and how many offers?

**Query -**

```
select org_name , total_number_of_offers
from organisations
natural join
(select organisation_id id, count(*) total_number_of_offers
from offers
group by organisation_id)
as tot order by total_number_of_offers desc limit 1
```

Result - moaning\_turquoise ,10915

Query Run Time - 448.05ms

- Which organisation has minimum offers and how many offers?

**Query -**

```
select org_name , total_number_of_offers
from organisations
natural join
(select organisation_id id, count(*) total_number_of_offers
from offers
group by organisation_id)
as tot order by total_number_of_offers limit 1
```

Result - native\_lime , 420

Query Run Time - 445.02ms

- Which organisation has maximum orders and how many orders?

**Query -**

```
select org_name , total_number_of_orders
from organisations
natural join
(select organisation_id id, count(*) total_number_of_orders
from orders
group by organisation_id)
as tot order by total_number_of_orders desc limit 1
```

Result - dual\_sapphire,32

Query Run Time - 1.17ms

- Which organisation has minimum orders and how many orders?

**Query -**

```
select org_name , total_number_of_orders
from organisations
natural join
(select organisation_id id, count(*) total_number_of_orders
from orders
group by organisation_id)
as tot order by total_number_of_orders limit 1
```

Result - rural\_sapphire,1

Query Run Time - 1.19ms

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

**Query -**

```
select org_name , total_amount_of_offers
from organisations
natural join
(select organisation_id id, sum(total_amount) total_amount_of_offers
from offers
group by organisation_id)
as tot order by total_amount_of_offers desc limit 1
```

Result - moaning\_turquoise, 324,947,704

Query Run Time - 561.5ms

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

**Query -**

```
select org_name , total_amount_of_orders
from organisations
natural join
(select organisation_id id, sum(total_amount) total_amount_of_orders
from orders
```

```
group by organisation_id)  
as tot order by total_amount_of_orders desc limit 1
```

Result - dual\_sapphire, 1,123,713  
Query Run Time - 1.189ms