

# SQL ASSIGNMENT

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## 1. How many organisations in total?

Query –

```
SELECT COUNT(id)
FROM organisations
```

Result – 100

Query Run time – 25ms

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

Query –

```
SELECT 100 - COUNT(DISTINCT(organisation_id))
FROM organisations
LEFT JOIN offer_requests
ON organisations.id = offer_requests.organisation_id
```

Result – 0

Query Run time – 154ms

## 3. How many organisations have offer\_requests?

Query –

```
SELECT COUNT(DISTINCT(organisation_id))
FROM organisations
LEFT JOIN offer_requests
ON organisations.id = offer_requests.organisation_id
```

Result – 100

Query Run time – 157ms

## 4. How many organisations have no offers?

Query –

```
SELECT 100 - COUNT(DISTINCT(organisation_id))
FROM organisations
LEFT JOIN offers
ON offers.organisation_id = organisations.id
```

Result – 0

Query Run time – 455ms

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

Query –

```
SELECT org_name,COUNT(organisation_id)
FROM offers
LEFT JOIN organisations
ON offers.organisation_id = organisations.id
GROUP BY org_name
ORDER BY COUNT DESC
LIMIT(1)
```

Result – moaning\_turquoise 10915

Query Run time – 129ms

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

Query –

```
SELECT org_name,COUNT(organisation_id)
FROM offers
LEFT JOIN organisations
ON offers.organisation_id = organisations.id
GROUP BY org_name
ORDER BY COUNT
LIMIT(1)
```

Result – native\_lime 420

Query Run time – 136ms

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

Query –

```
SELECT org_name,COUNT(organisation_id)
FROM orders
LEFT JOIN organisations
ON orders.organisation_id = organisations.id
GROUP BY org_name
ORDER BY COUNT DESC
LIMIT(1)
```

Result – dual\_sapphire 32

Query Run time – 24ms

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

Query –

```
SELECT org_name, COUNT(organisation_id)
FROM orders
LEFT JOIN organisations
ON orders.organisation_id = organisations.id
GROUP BY org_name
ORDER BY COUNT
LIMIT(1)
```

Result – hollow\_amber 1

Query Run time – 24ms

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

Query –

```
SELECT org_name, sum(total_amount)
FROM offers
LEFT JOIN organisations
ON offers.organisation_id = organisations.id
GROUP BY org_name, total_amount
ORDER BY total_amount DESC
LIMIT(1)
```

Result – accessible\_aqua 2700000

Query Run time – 224ms

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

Query –

```
SELECT org_name, sum(total_amount)
FROM offers
LEFT JOIN organisations
ON offers.organisation_id = organisations.id
GROUP BY org_name, total_amount
ORDER BY total_amount
LIMIT(1)
```

Result – given\_aquamarine 10000

Query Run time – 216ms