

SQL Questions:

- How many organisations in total?

Query - **SELECT COUNT(*)** as total_count **FROM** organisations;

Result - 100

Query run time - 18ms

- How many organisations do not have offer_requests?

Query - **SELECT COUNT(*)** AS offer_request **FROM** organisations o **LEFT JOIN** offer_requests or1 **ON** or1.id = o.id **WHERE** or1.id **IS NULL**;

Result - 100

Query run time - 36ms

- How many organisations have offer_requests?

Query - **SELECT COUNT(*)** AS offer_request **FROM** organisations o **INNER JOIN** offer_requests or1 **ON** or1.id = o.id;

Result - 0

Query run time - 25ms

- How many organisations have no offers?

Query - **SELECT COUNT(*)** AS offers **FROM** organisations o **LEFT JOIN** offers or1 **ON** o.id = or1.organisation_id **WHERE** or1.organisation_id **IS NULL**;

Result - 0

Query run time - 34ms

- Which organisation has maximum offers and how many offers?

Query - **SELECT** organisation_id, **COUNT(*)** as Maximum_Offers **FROM** organisations o **INNER JOIN** offers or1 **ON** o.id = or1.organisation_id **GROUP BY** organisation_id **ORDER BY** count(*) **DESC** **LIMIT 1**;

	ABC organisation_id	123 maximum_offers
1	org_00000000000WR10DFx1nc6	10,915

Result -

Query run time - 116ms

- Which organisation has minimum offers and how many offers?

Query - **SELECT** organisation_id, **COUNT(*)** as Minimum_Offers **FROM** organisations o **INNER JOIN** offers or1 **ON** o.id = or1.organisation_id **GROUP BY** organisation_id **ORDER BY** count(*) **ASC** **LIMIT 1**;

	ABC organisation_id	123 minimum_offers
1	org_00000000000WR10DFzlaeZ	420

Result -

Query run time - 119ms

- Which organisation has maximum orders and how many orders?

Query - **SELECT** organisation_id, **COUNT(*)** as Maximum_Orders **FROM** organisations o **INNER JOIN** orders or1 **ON** o.id = or1.organisation_id **GROUP BY** organisation_id **ORDER BY** count(*) **DESC** **LIMIT 1**;

	ABC organisation_id	123 maximum_orders
1	org_00000000000WR10DFx1nc8	32

Result -

Query run time - 19ms

- Which organisation has minimum orders and how many orders?

Query - **SELECT** organisation_id, **COUNT**(*) **as** Minimum_Orders **FROM** organisations o **INNER JOIN** orders or1 **ON** o.id = or1.organisation_id **GROUP BY** organisation_id **ORDER BY** count(*) **ASC** **LIMIT 1;**

	ABC organisation_id	123 minimum_orders
1	org_00000000000WR10DFzlaee	1

Result -

Query run time - 18ms

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

Query - **SELECT** o.id, **COUNT**(*) **AS** maximum_offers, **SUM**(oo.total_amount) **AS** total_amount **FROM** organisations o **INNER JOIN** offers oo **ON** o.id = oo.organisation_id **GROUP BY** o.id **ORDER BY** **COUNT**(*) **DESC** **LIMIT 1;**

	ABC id	123 maximum_offers	123 total_amount
1	org_00000000000WR10DFx1nc6	10,915	324,947,704

Result -

Query run time - 133ms

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

Query - **SELECT** o.id, **COUNT**(*) **AS** minimum_offers, **SUM**(oo.total_amount) **AS** total_amount **FROM** organisations o **INNER JOIN** offers oo **ON** o.id = oo.organisation_id **GROUP BY** o.id **ORDER BY** **COUNT**(*) **ASC** **LIMIT 1;**

	ABC id	123 minimum_offers	123 total_amount
1	org_00000000000WR10DFzlaeZ	420	13,310,521

Result -

Query run time - 128ms