

SQL Assignment Answers

1. How many organisations in total?

Query –

```
SELECT DISTINCT COUNT (1)
FROM organisations
```

Result – 100

Query Run time – 92 msec

2. How many organisations do not have offer_requests?

Query –

```
SELECT COUNT (*)
FROM (SELECT org.id
      FROM organisations AS org
      INNER JOIN offer_requests AS offer
      ON org.id = offer.organisation_id
      WHERE offer is NULL
      GROUP BY org.id) AS total_count
```

Result – 0

Query Run Time – 165 msec

3. How many organisations have offer_requests?

Query –

```
SELECT COUNT (*)
FROM (SELECT org.id
      FROM organisations AS org
      INNER JOIN offer_requests AS offer
      ON org.id = offer.organisation_id
      GROUP BY org.id) AS total_count
```

Result – 100

Query Run Time – 192 msec

4. How many organisations have no offers?

```
SELECT COUNT (*)
FROM (SELECT org.id
      FROM organisations AS org
      INNER JOIN offer_requests AS offer
      ON org.id = offer.organisation_id
      WHERE offer is NULL
      GROUP BY org.id) AS total_count
```

Result – 0

Query Run Time – 229 msec

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

Query -

```
SELECT org.org_name, COUNT(org.id) AS total_offers
FROM organisations as org
      INNER JOIN offers as offer
      ON org.id = offer.organisation_id
      GROUP BY org.org_name
      ORDER BY COUNT(org.id) DESC
```

Result –

moaning_turquoise	10915
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Query Run Time – 301 msec

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

Query -

```
SELECT org.org_name, COUNT(org.id) AS total_offers
FROM organisations as org
      INNER JOIN offers as offer
      ON org.id = offer.organisation_id
      GROUP BY org.org_name
      ORDER BY COUNT(org.id) ASC
```

Result –

native_lime	420
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Query Run Time – 596 msec

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

Query -

```
SELECT org.org_name, COUNT(org.id) AS total_orders
FROM organisations as org
      INNER JOIN orders as odd
      ON org.id = odd.organisation_id
      GROUP BY org.org_name
      ORDER BY COUNT(org.id) DESC
```

Result –

dual_sapphire	32
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Query Run Time – 184 msec

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

Query -

```
SELECT org.org_name, COUNT(org.id) AS total_orders
FROM organisations as org
      INNER JOIN orders as odd
      ON org.id = odd.organisation_id
      GROUP BY org.org_name
```

ORDER BY COUNT(org.id) ASC

Result –

"devoted_brown"	1
"lucky_white"	1
"pale_plum"	1
"deliberate_indigo"	1
"extended_tomato"	1
"awkward_aquamarine"	1
"nutritious_silver"	1
"rural_sapphire"	1
"willing_maroon"	1
"beneficial_crimson"	1
"frightened_salmon"	1
"rural_scarlet"	1
"hard_salmon"	1
"official_apricot"	1
"cautious_ivory"	1
"hollow_amber"	1
"hidden_blush"	1
"potential_coffee"	1
"experimental_blush"	1
"unnecessary_copper"	1
"forthcoming_salmon"	1
"sole_brown"	1
"accessible_aqua"	1
"primitive_cyan"	1
"frequent_blue"	1
"accurate_crimson"	1
"valid_orange"	1
"angry_violet"	1
"adverse_red"	1
"liable_harlequin"	1
visiting_gold	1

Query Run Time – 147 msec

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

```
SELECT org.org_name, SUM(offers.total_amount) AS total_amount
FROM organisations as org
      INNER JOIN orders
      ON org.id = offers.organisation_id
      GROUP BY org.org_name
      ORDER BY SUM(offers.total_amount) DESC
```

Result –

moaning_turquoise	324947704
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Query Run Time – 139 msec

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

```
SELECT org.org_name, SUM(orders.total_amount) AS total_amount
FROM organisations as org
      INNER JOIN orders
      ON org.id = orders.organisation_id
      GROUP BY org.org_name
      ORDER BY SUM(orders.total_amount) DESC
```

Result –

dual_sapphire	1123713
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Query Run Time – 120 msec