Question 1. How many organisations in total?

Query: select count(distinct org_name) from organisations o ;

Result: 100

Time: 33ms

Question 2. How many organisations do not have offer_requests?

Query: select count(*) from organisations o where o.id not in (select distinct or2.organisation_id from offer_requests or2);

Result: 0

Time: 54ms

Question 3. How many organisations have offer_requests?

Query: select count(*) from organisations o where o.id in (select distinct or2.organisation_id from offer_requests or2);

Result: 100

Time: 54ms

Question 4. How many organisations have no offers?

Query: select count(o.org_name) from organisations o where o.id not in (select distinct o2.organisation_id from offers o2);

Result: 0

Time: 98ms

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

Query: select o2.org_name , count(*) as "Max Orders Count"

                     from offers o join organisations o2

                     on o.organisation_id = o2.id

                     group by o2.org_name

                     order by count(*) desc limit 1;

Result:

org_name	Max Orders Count
moaning_turquoise	10,915

Time: 156ms

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

Query: select o2.org_name , count(*) as "Min Orders Count"

                     from offers o join organisations o2

                     on o.organisation_id = o2.id

                     group by o2.org_name

                     order by count(*) limit 1;

Result:

org_name	Min Orders Count
native_lime	420

Time: 136ms

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

Query: select o2.org_name , count(*) as "Max Orders"

from orders o

join organisations o2

on o.organisation_id = o2.id

group by o2.org_name

order by 2 desc limit 1;

Result:

|org_name |Max Orders|

|-------------|----------|

|dual_sapphire|32 |

Time: 35ms

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

Query: select o2.org_name , count(*) as "Min Orders"

from orders o

join organisations o2

on o.organisation_id = o2.id

group by o2.org_name

order by 2 asc limit 1;

Result:

(There are 31 organisations which has Minimum Orders i.e., 1)

|org_name |Min Orders|

|-----------|----------|

|hollow_amber|1 |

Time: 33ms

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

Query: select o2.org_name , count(*) "Offer Count", sum(total_amount) "Total Amount"

from offers o

join organisations o2

on o.organisation_id = o2.id

group by o2.org_name

order by 2 desc limit 1;

Result:

|org_name |Offer Count|Total Amount|

|----------------|----------|-----------|

|moaning_turquoise|10,915 |324,947,704 |

Time: 168ms

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

Query: select o2.org_name, count(*) "Orders Count" , sum(total_amount) "Total Amount"

from orders o

join organisations o2

on o.organisation_id = o2.id

group by o2.org_name

order by 2 desc limit 1

Result:

|org_name |Orders Count|Total Amount|

|-------------|-----------|-----------|

|dual_sapphire|32 |1,123,713 |

Time: 38ms

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

Query: select o2.org_name, count(*) "Orders Count" , sum(total_amount) "Total Amount"

from orders o

join organisations o2

on o.organisation_id = o2.id

group by o2.org_name