SQL Practice Questions Leetcode

1. Write a solution to report all the duplicate emails. Note that it's guaranteed that the email field is not NULL.

select Email

from person

group by email

having Count(\*)>1;

using joins

select distinct p1.Email

from person p1

join person p2

on p1.email = p2.email

and p1.id<>p2.id;

2. Write a solution to find all customers who never order anything.

Return the result table in **any order**.

select  name as Customers

from Customers

left join Orders

on Customers.id = Orders.customerId

where Orders.customerId is NULL  ;

Without Join

select  name as Customers

from Customers

where Customers.id

NOT IN (Select CustomerId from Orders)

3. Write a solution to**delete** all duplicate emails, keeping only one unique email with the smallest id.

For SQL users, please note that you are supposed to write a DELETE statement and not a SELECT one

delete p1

from person p1

join person p2

on p1.email = p2.email

where p1.id> p2.id;

Using Cartesian

delete p1

from person p1,person p2

where p1.email = p2.email

and p1.id>p2.id;

4. Write a solution to find the **first login date** for each player.

select player\_id , min(event\_date) as first\_login

from Activity

group by player\_id

5. Write a solution to find all the classes that have **at least five students**.

Return the result table in **any order**.

select class

from Courses

group by class

having count(\*)>=5;

6. Write a solution to find the names of all the salespersons who did not have any orders related to the company with the name **"RED"**.

SELECT name from salesperson

where sales\_id not in

(

    select sales\_id from orders where com\_id in

    (select com\_id from company where name='RED')

)

7. A **single number** is a number that appeared only once in the MyNumbers table.

Find the largest **single number**. If there is no **single number**, report null.

SELECT MAX(num) AS num

FROM (

    SELECT num

    FROM MyNumbers

    GROUP BY num

    HAVING COUNT(\*) = 1

) AS single\_numbers;

8. Write a solution to find the average selling price for each product. average\_price should be **rounded to 2 decimal places**.

Return the result table in **any order**.

SELECT p.product\_id, IFNULL(round(SUM(p.price\*u.units)/sum(u.units),2),0) as average\_price

FROM Prices p

LEFT JOIN UnitsSold u

ON p.product\_id = u.product\_id AND

u.purchase\_date BETWEEN p.Start\_date and p.end\_date

GROUP BY p.product\_id

9. Write a solution to find the percentage of the users registered in each contest rounded to **two decimals**.

Return the result table ordered by percentage in **descending order**. In case of a tie, order it by contest\_id in **ascending order**.

select contest\_id , round(count(user\_id)\*100/(select count(user\_id) from users),2) as percentage

from register

group by contest\_id

order by percentage desc,contest\_id