<https://www.w3schools.com/sql/sql_where.asp>

<https://www.w3resource.com/sql-exercises/>

<http://www.techbeamers.com/sql-query-questions-answers-for-practice/>

https://www.geeksforgeeks.org/sql-group-by/

SELECT *column\_name(s)*  
FROM *table\_name*  
WHERE *condition*  
GROUP BY *column\_name(s)*HAVING *condition*ORDER BY *column\_name(s);*

SELECT *column\_name(s)*  
FROM *table\_name*  
WHERE EXISTS  
(SELECT *column\_name*FROM *table\_name* WHERE *condition*);

SELECT fname, lname

FROM Customers

WHERE EXISTS (SELECT \*

FROM Orders

WHERE Customers.customer\_id = Orders.c\_id);

The EXISTS operator is used to test for the existence of any record in a subquery. The EXISTS operator returns true if the subquery returns one or more records.

SELECT *column\_name(s)*  
FROM *table\_name*  
WHERE *column\_name operator* ANY  
(SELECT *column\_name*FROM *table\_name* WHERE *condition*);

SELECT *column\_name(s)*  
FROM *table\_name*  
WHERE *column\_name operator* ALL  
(SELECT *column\_name*FROM *table\_name*WHERE *condition*);

SELECT ProductName  
FROM Products  
WHERE ProductID = ANY (SELECT ProductID FROM OrderDetails WHERE Quantity = 10);

SELECT ProductName  
FROM Products  
WHERE ProductID = ANY (SELECT ProductID FROM OrderDetails WHERE Quantity > 99);

SELECT ProductName  
FROM Products  
WHERE ProductID = ALL (SELECT ProductID FROM OrderDetails WHERE Quantity = 10);

SELECT salesman.name AS "Salesman",

customer.cust\_name, customer.city

FROM salesman,customer

WHERE salesman.city=customer.city;\

Write An SQL Query To Print First Three Characters Of  FIRST\_NAME From Worker Table.

Select substring(FIRST\_NAME,1,3) from Worker;

#### Write An SQL Query To Find The Position Of The Alphabet (‘A’) In The First Name Column ‘Amitabh’ From Worker Table.

Select INSTR(FIRST\_NAME, BINARY'a') from Worker where FIRST\_NAME = 'Amitabh';

* The INSTR method is in case-sensitive by default.
* Using Binary operator will make INSTR work as the case-sensitive function.

#### Write An SQL Query To Print The FIRST\_NAME From Worker Table After Removing White Spaces From The Right Side.

Select RTRIM(FIRST\_NAME) from Worker;

#### Write An SQL Query That Fetches The Unique Values Of DEPARTMENT From Worker Table And Prints Its Length.

Select distinct length(DEPARTMENT) from Worker; ????

#### Write An SQL Query To Print The FIRST\_NAME From Worker Table After Replacing ‘A’ With ‘A’.

Select REPLACE(FIRST\_NAME,'a','A') from Worker;

#### Write An SQL Query To Print The FIRST\_NAME And LAST\_NAME From Worker Table Into A Single Column COMPLETE\_NAME. A Space Char Should Separate Them.

Select CONCAT(FIRST\_NAME, ' ', LAST\_NAME) AS 'COMPLETE\_NAME' from Worker

#### Write An SQL Query To Print All Worker Details From The Worker Table Order By FIRST\_NAME Ascending And DEPARTMENT Descending.

Select \* from Worker order by FIRST\_NAME asc,DEPARTMENT desc;

#### Write An SQL Query To Print Details For Workers With The First Name As “Vipul” And “Satish” From Worker Table.

Select \* from Worker where FIRST\_NAME in ('Vipul','Satish');

#### Write An SQL Query To Print Details Of The Workers Whose FIRST\_NAME Contains ‘A’.

Select \* from Worker where FIRST\_NAME like '%a%';

#### Write An SQL Query To Print Details Of The Workers Whose FIRST\_NAME Ends With ‘H’ And Contains Six Alphabets.

Select \* from Worker where FIRST\_NAME like '\_\_\_\_\_h'

#### Write An SQL Query To Print Details Of The Workers Who Have Joined In Feb’2014.

Select \* from Worker where year(JOINING\_DATE) = 2014 and month(JOINING\_DATE) = 2;

#### Write An SQL Query To Fetch Duplicate Records Having Matching Data In Some Fields Of A Table

SELECT WORKER\_TITLE, AFFECTED\_FROM, COUNT(\*)

FROM Title

GROUP BY WORKER\_TITLE, AFFECTED\_FROM

HAVING COUNT(\*) > 1;

#### Write An SQL Query To Show Only Odd Rows From A Table

SELECT \* FROM Worker WHERE MOD (WORKER\_ID, 2) <> 0;

#### Write An SQL Query To Clone A New Table From Another Table

SELECT \* INTO WorkerClone FROM Worker;

An alternate way to clone a table (for MySQL) without is:

CREATE TABLE WorkerClone LIKE Worker;

#### Write An SQL Query To Fetch Intersecting Records Of Two Tables

(SELECT \* FROM Worker)

INTERSECT

(SELECT \* FROM WorkerClone);

#### Write An SQL Query To Show Records From One Table That Another Table Does Not Have.

SELECT \* FROM Worker

MINUS

SELECT \* FROM Title;

#### Write An SQL Query To Show The Top N (Say 10) Records Of A Table.

SELECT \* FROM Worker ORDER BY Salary DESC LIMIT 10;

SELECT TOP 10 \* FROM Worker ORDER BY Salary DESC;

#### Write An SQL Query To Fetch The List Of Employees With The Same Salary.

Select distinct W.WORKER\_ID, W.FIRST\_NAME, W.Salary

from Worker W, Worker W1

where W.Salary = W1.Salary

and W.WORKER\_ID != W1.WORKER\_ID;

## **SQL Self JOIN Example**

The following SQL statement matches customers that are from the same city:

SELECT column\_name(s)  
FROM table1 T1, table1 T2  
WHERE condition;

SELECT A.CustomerName AS CustomerName1, B.CustomerName AS CustomerName2, A.City  
FROM Customers A, Customers B  
WHERE A.CustomerID <> B.CustomerID  
AND A.City = B.City   
ORDER BY A.City;

 Write a query in SQL to find the total number of goals scored by each player within normal play schedule and arrange the result set according to the heighest to lowest scorer.

SELECT player\_name,count(\*),country\_name

FROM goal\_details a

JOIN player\_mast b ON a.player\_id=b.player\_id

JOIN soccer\_country c ON a.team\_id=c.country\_id

GROUP BY player\_name,country\_name

ORDER BY count(\*) DESC;

#### SELECT lname, fname FROM Customers WHERE EXISTS

#### (SELECT \* FROM Orders)

-----------------------------------------------------------------------------

Alex,

Please see the thank you letters bellow. Let me know what you think.

Marina

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Thank you letter for the team:

Dear Mark, Yue, Waseem, and Yee-Ning

It was a great pleasure speaking to you all yesterday! I am very excited about this job opportunity, and I would love to bring to the company as well as complement your team with a blend of skills stemming from my background in analytics, statistics, data science, psychology and business. I sincerely enjoyed getting to know you all, and I would be happy to join your team to make a significant contribution to Tremor Video.

I appreciate the time you took to interview me and look forward to hearing from you regarding this position. Please do not hesitate to contact me if you need more information.

Warmest Regards,

Marina

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Thank you letter for the CTO

Dear Tal,

It was my pleasure speaking to you yesterday. I sincerely enjoyed the conversation with you and the members of your talented team. I also enjoyed the problem-solving activities with your team, and it would be a pleasure for me to join it. I am very excited about this job opportunity, and I would love to bring to the company a blend of skills stemming from my background in analytics, statistics, data science, psychology and business.

I appreciate the time you took to interview me and look forward to hearing regarding this position. Please do not hesitate to contact me if you need an additional information.

Warmest Regards,

Marina