<https://www.tutorialrepublic.com/codelab.php?topic=sql&file=select-all>

**INNER JOIN EXAMPLE**

SELECT

e.emp\_id "employee id",

e.emp\_name [employee name],

e.salary as [emplyee\_salary],

d.dept\_id [department\_id],

d.dept\_name

FROM employees e

JOIN departments d

ON e.dept\_id=d.dept\_id

**LEFT JOIN EXAMPLE**

SELECT

e.emp\_id "employee id",

e.emp\_name [employee name],

e.salary as [emplyee\_salary],

d.dept\_id [department\_id],

d.dept\_name

FROM employees e

LEFT JOIN departments d

ON e.dept\_id=d.dept\_id

**ORDER DETAILS**

SELECT

od.order\_id,

od.product\_id,

p.product\_name,

od.units,

p.price,

od.units\*p.price [order\_total]

FROM order\_details od

JOIN products p

ON od.product\_id=p.product\_id

WHERE od.order\_id=10250

**ORDER CUSTOMER INFORMATION**

SELECT

o.order\_id,

o.cust\_id,

c.cust\_name

FROM orders o

JOIN customers c

ON o.cust\_id=c.cust\_id

WHERE o.order\_id=10250

**ORDER GROUP BY**

SELECT

od.order\_id,

SUM(od.units),

AVG(p.price),

SUM(od.units\*p.price) [order\_total]

FROM order\_details od

JOIN products p

ON od.product\_id=p.product\_id

group by od.order\_id

**AVG PRICE OF PRODUCTS**

SELECT

category\_id,

product\_name,

AVG(price) [avg\_price]

FROM products

group by category\_id

order by avg\_price DESC;

**CATEGORY COUNT PRODUCTS**

SELECT

p.category\_id,

c.category\_name,

COUNT(\*) [no\_of\_products]

FROM products p

JOIN categories c

ON p.category\_id = c.category\_id

group by p.category\_id

order by no\_of\_products DESC;

**COUNT QUERY**

SELECT

COUNT(\*),

COUNT(dept\_id)

FROM employees;

SELECT

COUNT(emp\_id),

COUNT(\*),

COUNT(dept\_id)

FROM employees;

**DISTINCT QUERY**

SELECT

DISTINCT dept\_id

FROM employees;

**INTERVIEW QUESTIONS**

SELECT

COUNT(\*)

FROM employees;

SELECT

COUNT(dept\_id)

FROM employees;

SELECT

COUNT(DISTINCT dept\_id)

FROM employees;

**SQL QUERY EXECUTION ORDER:**

1. **FROM**
2. **JOIN**
3. **WHERE**
4. **GROUP BY**
5. **HAVING**
6. **SELECT**
7. **ORDER BY**

SELECT

p.category\_id,

c.category\_name,

COUNT(\*) [no\_of\_products]

FROM products p

JOIN categories c

ON p.category\_id = c.category\_id

WHERE p.category\_id > 2

group by p.category\_id

having no\_of\_products>=10

order by no\_of\_products desc;

SELECT

p.category\_id,

c.category\_name,

COUNT(\*) [no\_of\_products]

FROM products p

JOIN categories c

ON p.category\_id = c.category\_id

WHERE p.category\_id > 2

group by p.category\_id

HAVING COUNT(\*)>=10

order by no\_of\_products desc;

**FILTER BY DATES, WITH BETWEEN CLAUSE**

SELECT \* FROM orders

WHERE order\_date BETWEEN '2014-07-05' AND '2014-07-31';

**LIKE CLAUSE, WILDCARD**

SELECT \* FROM customers where cust\_name like '%aria%';

**WHERE IN and NOT IN**

SELECT \* FROM customers where country in ('Germany', 'Brazil');

SELECT \* FROM customers where country not in ('Germany', 'Brazil');