



SELECT Query

```
SELECT col1, col2  
FROM table  
JOIN table2 ON table.col1 = table2.col  
WHERE condition  
GROUP BY column_name  
HAVING condition  
ORDER BY col1 ASC|DESC;
```

SELECT Keywords

DISTINCT: Removes duplicate results

```
SELECT DISTINCT product_name  
FROM product;
```

BETWEEN: Matches a value between two other values(inclusive)

```
SELECT product_name  
FROM product  
WHERE price BETWEEN 50 AND 100;
```

IN:Matches to any of the values in a list

```
SELECT product_name  
FROM product  
WHERE category IN  
(`Electronics`, `Furniture`);
```

LIKE:Performs wildcard matches using _or%

```
SELECT product_name  
FROM product  
WHERE product_name  
LIKE '%Desk%';
```

Joins

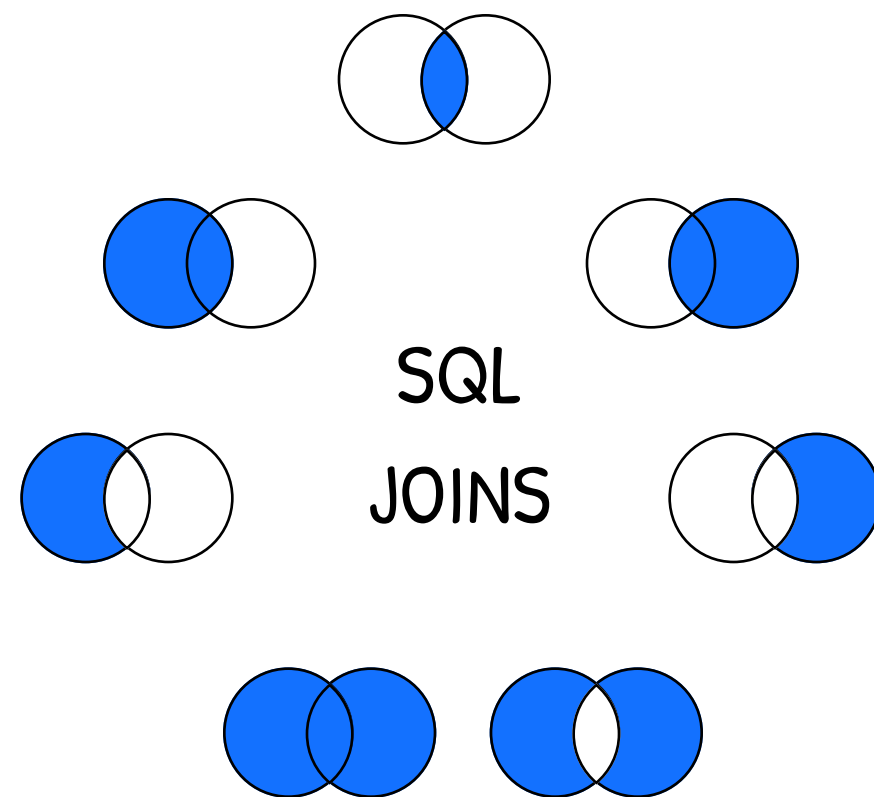
```
SELECT t1.*, t2.*  
FROM t1  
JOIN_type t2 ON t1 = t2.col;
```

Table 1

A
B
C

Table 2

A
B
D



INNER JOIN: show all matching records in both tables.

A	A
B	B

LEFT JOIN: show all records from left table, and any matching records from right table.

A	A
B	B
C	

RIGHT JOIN: show all records from right table, and any matching records from left table.

A	A
B	B
	D

FULL JOIN: show all records from both tables, whether there is a match or not.

A	A
B	B
C	
	D

CASE Statement

Simple Case

```
CASE name  
  WHEN 'John' THEN 'Name John'  
  WHEN 'Steve' THEN 'Name Steve'  
  ELSE 'Unknown'  
END
```

Searched Case

```
CASE  
  WHEN name='John' THEN 'Name John'  
  WHEN name='Steve' THEN 'Name Steve'  
  ELSE 'Unknown'  
END
```

Common Table Expression

```
WITH queryname AS (  
  SELECT col1, col2  
  FROM firsttable)  
SELECT col1, col2..  
FROM queryname
```

Modifying Data

Insert

```
INSERT INTO tablename (col1, col2...)   
VALUES (val1, val2);
```

Insert from a Table

```
INSERT INTO tablename (col1, col2...)   
SELECT col1, col2...
```