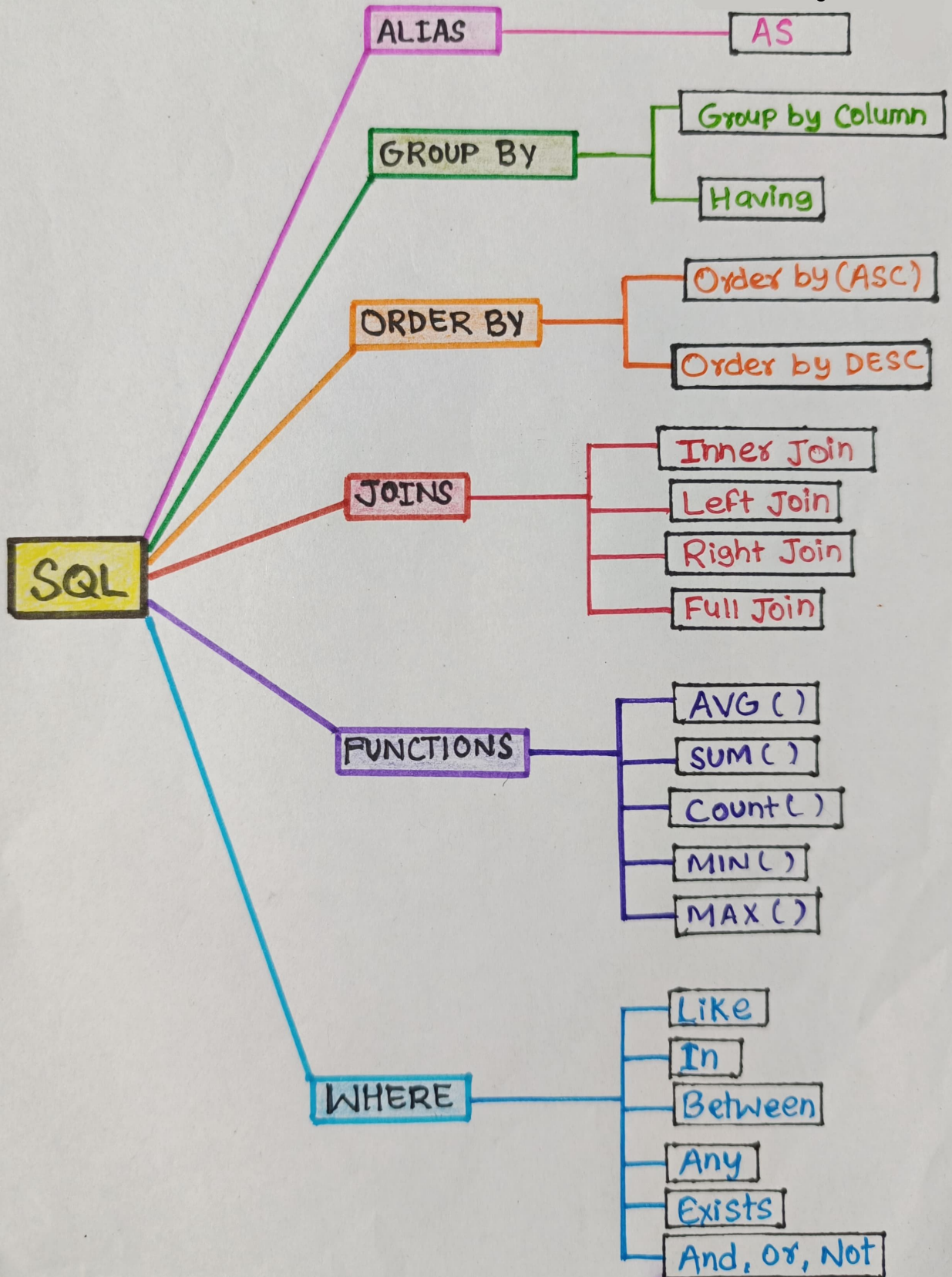


# SQL Zero to Hero

ATUL KUMAR (LINKEDIN)

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ALIAS

AS

Example:

An Alias is Created with 'As' keyword.

```
SELECT column_name As alias_name  
FROM table_name;
```

GROUP BY

⇒ Group By Column

Example:

```
SELECT column_name(s)  
FROM table_name  
WHERE condition  
GROUP BY column_name(s)  
ORDER BY column_name(s);
```

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⇒ Having

Example:

```
SELECT Column name(s)  
FROM table name  
WHERE condition  
GROUP BY column_name(s)  
HAVING condition  
ORDER BY column_name(s);
```



## ORDER BY

⇒ **ORDER BY (ASC)** or **ORDER BY DES**

The order by keyword is used to sort the result-set in ascending or descending order.

Example:

```
SELECT Column 1, Column 2, ....  
FROM table_name  
ORDER BY column 1, column 2, .... ASC/DES;
```

## JOINS

⇒ **INNER JOIN**

This keyword selects that have matching values in both tables

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Example:

```
SELECT Column_name(s)  
FROM table 1  
INNER JOIN table 2  
ON table.column_name = table 2.column_name ;
```

⇒ **LEFT JOIN**

Example:

```
SELECT Column_name(s)  
FROM table 1  
LEFT JOIN table 2
```

## ⇒ RIGHT JOIN

Example: SELECT column\_name(s)  
FROM table 1  
RIGHT JOIN table 2  
ON table 1. Column\_name = table 2.  
Column\_name;

## ⇒ FULL JOIN

Example: SELECT column\_name(s)  
FROM table 1  
FULL OUTER JOIN table 2  
ON table 1. Column\_name = table 2. Column\_name;  
WHERE condition

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## FUNCTIONS

### ⇒ AVG()

Example:

SELECT AVG(column\_name)  
FROM table\_name  
WHERE condition;

### ⇒ SUM()

Example:

SELECT SUM(column\_name)  
FROM table\_name  
WHERE condition;

### ⇒ COUNT()

Example:

SELECT (Product ID)  
FROM Products;



⇒ **MIN()** SELECT MIN(column\_name)  
FROM table\_name  
WHERE condition;

Example:

⇒ **MAX()** SELECT MAX(column\_name)  
FROM table\_name  
WHERE condition;

Example:

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## **WHERE**

⇒ **LIKE** Example:  
SELECT Column 1, Column 2...  
FROM table\_name  
WHERE Column LIKE Pattern

⇒ **IN** Example:  
SELECT Column\_name(s)  
FROM table\_name  
WHERE column\_name IN  
(value 1, value 2, ...);

⇒ **BETWEEN** Example:  
SELECT Column\_name  
FROM table\_name  
WHERE Column\_name BETWEEN  
value 1 AND value 2;

⇒ **ANY** Example:  
SELECT Column\_name(s)  
FROM table\_name  
WHERE column\_name  
operator ANY  
(SELECT Column\_name  
FROM table\_name



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

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

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⇒ **AND** Example: SELECT Column 1, Column 2, ...  
FROM table\_name  
WHERE Condition 1 AND Condition 2 AND  
Condition 3 ....;

⇒ **OR** Example: SELECT Column 1, Column 2, ...  
FROM table\_name  
WHERE condition 1 OR Condition 2 OR  
Condition 3 ...;

⇒ **NOT** Example: SELECT Column 1, Column 2, ...  
FROM table\_name  
WHERE NOT Condition;

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