SQL - Group By

The SQL **GROUP BY** clause is used in collaboration with the SELECT statement to arrange identical data into groups. This GROUP BY clause follows the WHERE clause in a SELECT statement and precedes the ORDER BY clause.

Syntax

The basic syntax of a GROUP BY clause is shown in the following code block. The GROUP BY clause must follow the conditions in the WHERE clause and must precede the ORDER BY clause if one is used.

```
SELECT column1, column2

FROM table_name

WHERE [ conditions ]

GROUP BY column1, column2

ORDER BY column1, column2
```

Example

Consider the CUSTOMERS table is having the following records -

If you want to know the total amount of the salary on each customer, then the GROUP BY query would be as follows.

```
SQL> SELECT NAME, SUM(SALARY) FROM CUSTOMERS
GROUP BY NAME;
```

This would produce the following result –

Now, let us look at a table where the CUSTOMERS table has the following records with duplicate names –

•	•	•	ADDRESS	•
	_	_	Ahmedabad	_
2 1	Ramesh	25	Delhi	1500.00
3 I	kaushik	23	Kota	2000.00
4 1	kaushik	25	Mumbai	6500.00
5 H	Hardik	27	Bhopal	8500.00
6 I	Komal	22	MP	4500.00
7 I	Muffy	24	Indore	10000.00

Now again, if you want to know the total amount of salary on each customer, then the GROUP BY query would be as follows –

```
SQL> SELECT NAME, SUM(SALARY) FROM CUSTOMERS
GROUP BY NAME;
```

This would produce the following result -

| Ramesh | | 3500.00 | +-----