

WHERE CLAUSE

WHERE keyword is used for fetching **filtered data** in a result set. It is used to fetch data according to particular criteria. **WHERE** keyword can also be used to filter data by matching patterns.

Syntax

```
SELECT column1,column2 FROM table_name WHERE column_name  
operator value;
```

Parameter Explanation

- + **column1,column2**: Fields in the table.
- + **table_name**: Name of table.
- + **column_name**: Name of field used for filtering the data.
- + **operator**: Operation to be considered for filtering.
- + **value**: Exact value or pattern to get related data in result.

List of Operators that Can be Used with WHERE Clause

Operator	Description
>	Greater Than
>=	Greater than or Equal to
<	Less Than
<=	Less than or Equal to
=	Equal to
<>	Not Equal to
BETWEEN	In an inclusive Range
LIKE	Search for a pattern
IN	To specify multiple possible values for a column

Query

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Where Clause with Logical Operators

To fetch records of Employee with ages equal to 24.

Query

```
SELECT * FROM Emp1 WHERE Age=24;
```

Output

EmpID	Name	Country	Age	mob
3	Naveen	Sri lanka	24	34873847

To fetch the EmpID, Name and Country of Employees with Age greater than 21.

Query

```
SELECT EmpID, Name, Country FROM Emp1 WHERE Age > 21;
```

Output

EmpID	Name	Country
1	Shubham	India
3	Naveen	Sri lanka
5	Nishant	Spain

Where Clause with BETWEEN Operator

It is used to fetch filtered data in a given range inclusive of two values.

Syntax

```
SELECT column1,column2 FROM table_name  
WHERE column_name BETWEEN value1 AND value2;
```

Parameter Explanation

- + **BETWEEN**: operator name.
- + **value1 AND value2**: exact value from value1 to value2 to get related data in result set.

To fetch records of Employees where Age is between 22 and 24 (inclusive).

Query

```
SELECT * FROM Emp1 WHERE Age BETWEEN 22 AND 24;
```

Output

EmpID	Name	Country	Age	mob
1	Shubham	India	23	738479734
3	Naveen	Sri lanka	24	34873847
5	Nishant	Spain	22	73248679

Where Clause with LIKE Operator

It is used to fetch filtered data by searching for a particular pattern in the where clause.

Syntax

```
SELECT column1,column2 FROM table_name
WHERE column_name LIKE pattern;
```

Parameter Explanation

- + **LIKE**: operator name.
- + **pattern**: exact value extracted from the pattern to get related data in the result set.

Note: The character(s) in the pattern is case-insensitive.

To fetch records of Employees where Name starts with the letter S.

Query

```
SELECT * FROM Emp1 WHERE Name LIKE 'S%';
```

Output

EmpID	Name	Country	Age	mob
1	Shubham	India	23	738479734
2	Aman	Australia	21	436789555

Where Clause with IN Operator

It is used to fetch the filtered data same as fetched by '=' operator just the difference is that here we can specify multiple values for which we can get the result set.

Syntax

```
SELECT column1,column2 FROM table_name WHERE column_name
IN (value1,value2,...);
```

Parameter Explanation

+ **IN**: operator name

+ **value1,value2,..**: exact value matching the values given and get related data in the result set.

To fetch the Names of Employees where Age is 21 or 23.

Query

```
SELECT Name FROM Emp1 WHERE Age IN (21,23) ;
```

Output

Name
Shubham
Aman
Aditya