

SQL WHERE Clause

SQL WHERE clause is basically use for fetching specific criteria matched data only return. SQL WHERE clause is optionally clause in DML statement.

SQL WHERE clause we can use with SELECT, UPDATE, DELETE statements. SELECT statement with WHERE clause execute, fetching all table rows and apply WHERE clause filtering and finally return the result data.

Notes: You can't use INSERT statement with WHERE clause. But you can use INSERT Statement with WHERE cause only when you get the filter data from another TABLE.

WHERE clause use with SELECT Statement

When you get table data with specific filtered data, you should use where clause, considering following syntax that help you to understanding WHERE clause.

Syntax

```
SELECT * FROM table_name WHERE condition;
```

Example

NO	NAME	ADDRESS	CONTACT_NO
1	Opal Kole	63 street Ct.	000-444-7847

WHERE clause use with UPDATE Statement

When you want to update specific table data you should use UPDATE statement with where clause. You can update/set more than one columns value.

Syntax

Considering following syntax that help you to understanding WHERE clause,

```
UPDATE table_name SET column_name=value1, ... WHERE condition;
```

Example

1 row updated.

WHERE clause use with DELETE Statement

When you want to delete specific table row(s) you should use DELETE statement with WHERE clause, Considering following syntax that help you to understanding WHERE clause.

Syntax

```
DELETE FROM table_name WHERE condition;
```

Example

```
1 row deleted.
```

WHERE clause use with INSERT Statement

When you want to insert filter data from another table, you should use INSERT statement with WHERE clause, Considering following syntax that help you to understanding WHERE clause,

Syntax

```
INSERT INTO table_name (column_name1, column_name2, ...)
SELECT column_name1, column_name2, ...
FROM another_table_name
WHERE condition;
```

Example

```
SELECT no, name, address
FROM users_info
WHERE no = 1;
```

```
1 row inserted.
```

WHERE clause Operators

You can use WHERE clause with following operators.

Operator	Description	Example								
=	Equal to	<div>SQL> <code>SELECT * FROM users_info WHERE no = 5;</code></div> <div><table><thead><tr><th>NO</th><th>NAME</th><th>ADDRESS</th><th>CONTACT_NO</th></tr></thead><tbody><tr><td>5</td><td>Ken Myer</td><td>137 Clay Road</td><td>000-444-7528</td></tr></tbody></table></div>	NO	NAME	ADDRESS	CONTACT_NO	5	Ken Myer	137 Clay Road	000-444-7528
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<>	Not equal	<div>SQL> SELECT * FROM users_info WHERE no <> 5;</div> <table><thead><tr><th>NO</th><th>NAME</th><th>ADDRESS</th><th>CONTACT_NO</th></tr></thead><tbody><tr><td>1</td><td>Opal Kole</td><td>63 street Ct.</td><td>000-444-7847</td></tr><tr><td>2</td><td>Max Miller</td><td>41 NEW ROAD.</td><td>000-444-8292</td></tr><tr><td>3</td><td>Beccaa Moss</td><td>2500 green city.</td><td>000-444-7586</td></tr><tr><td>4</td><td>Paul Singh</td><td>1343 Prospect St</td><td>000-444-7585</td></tr><tr><td>6</td><td>Jack Evans</td><td>1365 Grove Way</td><td>000-444-8401</td></tr><tr><td>7</td><td>Reed Koch</td><td>1274 West Street</td><td>000-444-5228</td></tr><tr><td>8</td><td>Gabe Hee</td><td>1220 Dallas Drive</td><td>000-444-5028</td></tr><tr><td>9</td><td>Ben Mares</td><td>101 Candy Road</td><td>000-444-5928</td></tr><tr><td>10</td><td>Sariya Vargas</td><td>145 Taxo court.</td><td>000-444-5927</td></tr></tbody></table> <div>9 rows selected.</div>	NO	NAME	ADDRESS	CONTACT_NO	1	Opal Kole	63 street Ct.	000-444-7847	2	Max Miller	41 NEW ROAD.	000-444-8292	3	Beccaa Moss	2500 green city.	000-444-7586	4	Paul Singh	1343 Prospect St	000-444-7585	6	Jack Evans	1365 Grove Way	000-444-8401	7	Reed Koch	1274 West Street	000-444-5228	8	Gabe Hee	1220 Dallas Drive	000-444-5028	9	Ben Mares	101 Candy Road	000-444-5928	10	Sariya Vargas	145 Taxo court.	000-444-5927
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