SQL SELECT DISTINCT

SQL SELECT DISTINCT statement is use for eliminate duplicates rows from selected column in table. You can add DISTINCT statement in multiple column.

- SELECT with DISTINCT on all columns
- SELECT with DISTINCT on two columns
- SELECT with DISTINCT on one columns

SELECT with DISTINCT on all columns

Now we are execute SELECT query with DISTINCT on all columns. DISTINCT all column means same table row value eliminate duplicates rows.

In this example line number 7 or 13 row are same so two of one row automatically eliminate.

Syntax

```
SELECT DISTINCT * FROM table_name;
```

Example

```
SQL> SELECT * FROM userinfo;

  NO NAME                         ADDRESS
---- ---------------------------- --------------------------
   1 Opal Kole                    63 street Ct.
   2 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.
   4 Paul Singh                   1343 Prospect St
   5 Ken Myer                     137 Clay Road
   6 Jack Evans                   1365 Grove Way
   7 Opal Kole                    63 street Ct.
   8 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.

9 rows selected.

SQL> SELECT DISTINCT * FROM userinfo;

  NO NAME                         ADDRESS
---- ---------------------------- --------------------------
   3 Beccaa Moss                  2500 green city.
   6 Jack Evans                   1365 Grove Way
   1 Opal Kole                    63 street Ct.
   2 Max Miller                   41 NEW ROAD.
   5 Ken Myer                     137 Clay Road
   8 Max Miller                   41 NEW ROAD.
   4 Paul Singh                   1343 Prospect St
   7 Opal Kole                    63 street Ct.

8 rows selected.
```

SELECT with DISTINCT on two columns

Now we are execute SELECT statement with DISTINCT on two columns. DISTINCT two column means eliminate same value when both column have same value.

In this example line number 5,6 or 11,12 name and address column value are same so this both row automatically eliminate.

Syntax

```
SELECT DISTINCT column_name1, column_name2, ... FROM table_name;
```

Example

```
SQL> SELECT * FROM userinfo;

  NO NAME                         ADDRESS
---- ---------------------------- --------------------------
   1 Opal Kole                    63 street Ct.
   2 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.
   4 Paul Singh                   1343 Prospect St
   5 Ken Myer                     137 Clay Road
   6 Jack Evans                   1365 Grove Way
   7 Opal Kole                    63 street Ct.
   8 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.

9 rows selected.

SQL> SELECT DISTINCT name, address FROM userinfo;

NAME                             ADDRESS
-------------------------------- --------------------------
Opal Kole                        63 street Ct.
Paul Singh                       1343 Prospect St
Ken Myer                         137 Clay Road
Beccaa Moss                      2500 green city.
Max Miller                       41 NEW ROAD.
Jack Evans                       1365 Grove Way

6 rows selected.
```

SELECT with DISTINCT on one columns

Same as above example DISTINCT apply only one columns.

Syntax

```
SELECT DISTINCT column_name1, column_name2, ... FROM table_name;
```

Example

```
SQL> SELECT * FROM userinfo;

  NO NAME                         ADDRESS
---- ---------------------------- --------------------------
   1 Opal Kole                    63 street Ct.
   2 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.
   4 Paul Singh                   1343 Prospect St
   5 Ken Myer                     137 Clay Road
   6 Jack Evans                   1365 Grove Way
   7 Opal Kole                    63 street Ct.
   8 Max Miller                   41 NEW ROAD.
   3 Beccaa Moss                  2500 green city.

9 rows selected.

SQL> SELECT DISTINCT name FROM userinfo;

NAME
--------------------------------
Opal Kole
Max Miller
Beccaa Moss
Paul Singh
Jack Evans
Ken Myer

6 rows selected.
```