**SQL - AND AND OR CONJUNCTIVE OPERATORS**

[**http://www.tutorialspoint.com/sql/sql-and-or-clauses.htm**](http://www.tutorialspoint.com/sql/sql-and-or-clauses.htm) **Copyright © tutorialspoint.com**

**The SQL AND and OR operators are used to combile multiple conditions to narrow data in an SQL statement. These two operators are called conjunctive operators.**

**These operators provide a means to make multiple comparisons with different operators in the same SQL statement.**

**The AND Operator:**

**The AND operator allows the existence of multiple conditions in an SQL statement's WHERE clause.**

**Syntax:**

**The basic syntax of AND operator with WHERE clause is as follows:**

**SELECT column1, column2, columnN FROM table\_name**

**WHERE [condition1] AND [condition2]...AND [conditionN];**

**You can combine N number of conditions using AND operator. For an action to be taken by the SQL statement, whether it be a transaction or query, all conditions separated by the AND must be TRUE.**

**Example:**

**Consider CUSTOMERS table is having following records:**

**+----+----------+-----+-----------+----------+**

**| ID | NAME | AGE | ADDRESS | SALARY |**

**+----+----------+-----+-----------+----------+**

**| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |**

**| 2 | Khilan | 25 | Delhi | 1500.00 |**

**| 3 | kaushik | 23 | Kota | 2000.00 |**

**| 4 | Chaitali | 25 | Mumbai | 6500.00 |**

**| 5 | Hardik | 27 | Bhopal | 8500.00 |**

**| 6 | Komal | 22 | MP | 4500.00 |**

**| 7 | Muffy | 24 | Indore | 10000.00 |**

**+----+----------+-----+-----------+----------+**

**Following is an example which would fetch ID, Name and Salary fields from the CUSTOMERS table where salary is greater than 2000 AND age is less tan 25 years:**

**SQL> SELECT ID, NAME, SALARY FROM CUSTOMERS**

**WHERE SALARY > 2000 AND age < 25;**

**This would produce following result:**

**+----+-------+----------+**

**| ID | NAME | SALARY |**

**+----+-------+----------+**

**| 6 | Komal | 4500.00 |**

**| 7 | Muffy | 10000.00 |**

**+----+-------+----------+**

**The OR Operator:**

**The OR operator is used to combine multiple conditions in an SQL statement's WHERE clause.**

**Syntax:**

**The basic syntax of OR operator with WHERE clause is as follows:**

**SELECT column1, column2, columnN FROM table\_name**

**WHERE [condition1] OR [condition2]...OR [conditionN]**

**You can combine N number of conditions using OR operator. For an action to be taken by the SQL statement, whether it be a transaction or query, only any ONE of the conditions separated by the OR must be TRUE.**

**Example:**

**Consider CUSTOMERS table is having following records:**

**+----+----------+-----+-----------+----------+**

**| ID | NAME | AGE | ADDRESS | SALARY |**

**+----+----------+-----+-----------+----------+**

**| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |**

**| 2 | Khilan | 25 | Delhi | 1500.00 |**

**| 3 | kaushik | 23 | Kota | 2000.00 |**

**| 4 | Chaitali | 25 | Mumbai | 6500.00 |**

**| 5 | Hardik | 27 | Bhopal | 8500.00 |**

**| 6 | Komal | 22 | MP | 4500.00 |**

**| 7 | Muffy | 24 | Indore | 10000.00 |**

**+----+----------+-----+-----------+----------+**

**Following is an example which would fetch ID, Name and Salary fields from the CUSTOMERS table where salary is greater than 2000 OR age is less tan 25 years:**

**SQL> SELECT ID, NAME, SALARY FROM CUSTOMERS**

**WHERE SALARY > 2000 OR age < 25;**

**This would produce following result:**

**+----+----------+----------+**

**| ID | NAME | SALARY |**

**+----+----------+----------+**

**| 3 | kaushik | 2000.00 |**

**| 4 | Chaitali | 6500.00 |**

**| 5 | Hardik | 8500.00 |**

**| 6 | Komal | 4500.00 |**

**| 7 | Muffy | 10000.00 |**

**+----+----------+----------+**