

University of Central Florida

CGS 2545

Database Concepts

DEPARTMENT OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE
COMPUTER SCIENCE DIVISION

AND and OR Conjunctive Operators

- The SQL **AND** & **OR** operators are used to combine multiple conditions to narrow data in an SQL statement.
- These two operators are called as the conjunctive operators.
- These operators provide a means to make multiple comparisons with different operators in the same SQL statement.

AND and OR Conjunctive Operators

- The AND Operator
 - Allows the existence of multiple conditions in an SQL statement's WHERE clause.
 - Combine N number of conditions using the AND operator.
 - For an action to be taken by the SQL statement, whether it be a transaction or a query, all conditions separated by the AND must be TRUE.

AND and OR Conjunctive Operators

```
SELECT column1, column2, columnN  
FROM table_name  
WHERE [condition1] AND [condition2]...AND [conditionN];
```

+-----+-----+-----+-----+-----+					
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	
+-----+-----+-----+-----+-----+					

AND and OR Conjunctive Operators

```
SQL> SELECT ID, NAME, SALARY  
FROM CUSTOMERS  
WHERE SALARY > 2000 AND age < 25;
```

+-----+-----+-----+			
ID	NAME	SALARY	
+-----+-----+-----+			
6	Komal	4500.00	
7	Muffy	10000.00	
+-----+-----+-----+			

AND and OR Conjunctive Operators

- The OR Operator
 - The OR operator is used to combine multiple conditions in an SQL statement's WHERE clause.
 - Can combine N number of conditions using the OR operator.
 - For an action to be taken by the SQL statement, whether it be a transaction or query, the only any ONE of the conditions separated by the OR must be TRUE.

AND and OR Conjunctive Operators

```
SELECT column1, column2, columnN  
FROM table_name  
WHERE [condition1] OR [condition2]...OR [conditionN]
```

+-----+-----+-----+-----+-----+					
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	
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