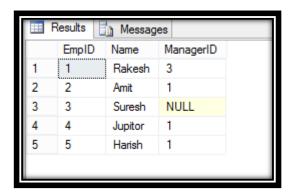
# Ways of replace of NULL value

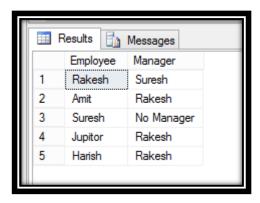
- ISNULL() function
- Case Statement
- COALESCE() function



tblEmp Main Table

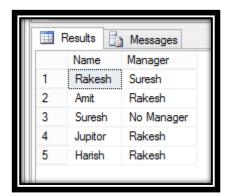
# **ISNull function**

■ Write a Query display NO MANAGER as per give below snap shot from the above table data.



### **COALESCE Function**

■ Write a Query display NO MANAGER using COALESCE function as per give below snap shot from the top given table data.



### **Case Statement**

The CASE statement goes through conditions and returns a value when the first condition is met (like an IF-THEN-ELSE statement). So, once a condition is true, it will stop reading and return the result. If no conditions are true, it returns the value in the ELSE clause.

If there is no ELSE part and no conditions are true, it returns NULL

#### **CASE**

WHEN condition1 THEN result1

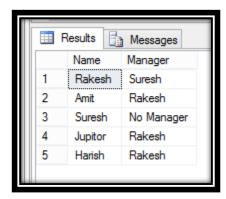
WHEN condition 2 THEN result 2

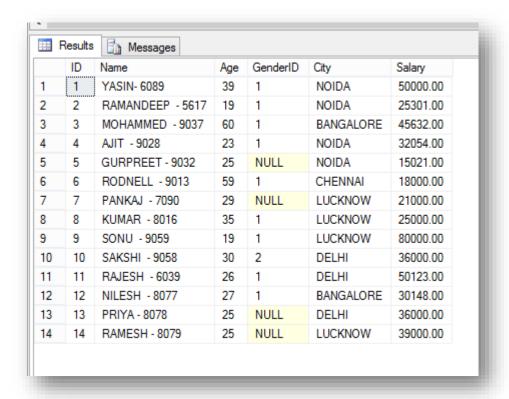
WHEN conditionN THEN resultN

ELSE result

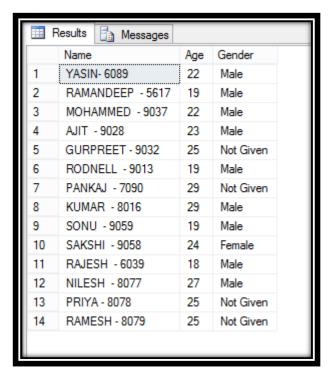
### END;

■ Write a Query display NO MANAGER using Case function as per give below snap shot from the top given table data.

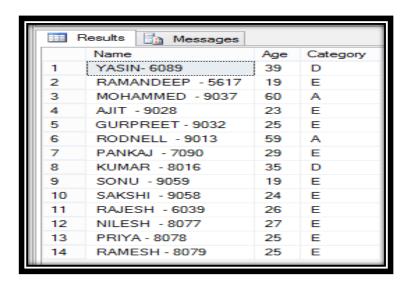




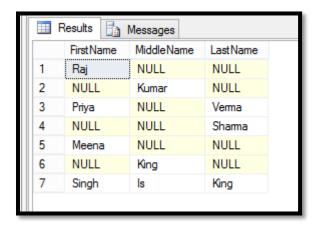
 Write a Query display Male and Female in spite of 1 & 2 (1 for Male, 2 for Female). USING CASE STATEMENT



■ Write a Query display Category (A when age >=55, B when age (55->35), C when age(35 to 25) and E age <25)



### **COALESCE** function - Return the first non-return value



# **Union and Union All**

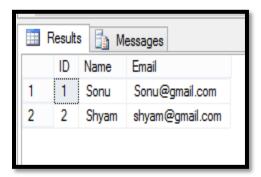
The UNION operator is used to combine the result-set of two or more SELECT statements.

- Each SELECT statement within UNION must have the same number of columns
- The columns must also have similar data types
- The columns in each SELECT statement must also be in the same order

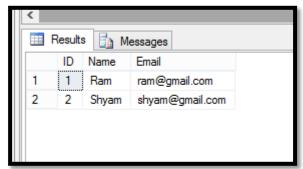
Both UNION and UNION ALL concatenate the result of two different SQLs. They differ in the way they handle duplicates.

- UNION performs a DISTINCT on the result set, eliminating any duplicate rows.
- UNION ALL does not remove duplicates, and it therefore faster than UNION.

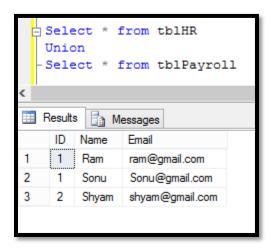
### **HR Table**



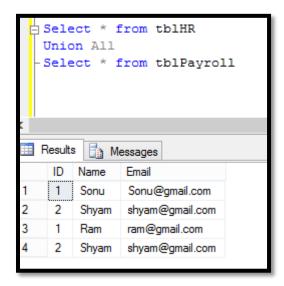
# **Payroll Table**



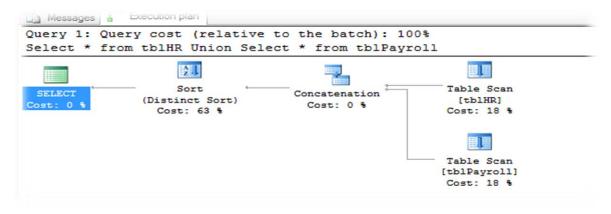
### **UNION Example**



## **UNION ALL Example**

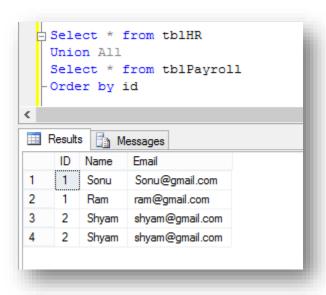


### Estimate query execution plan - Ctrl + L



Sorting results of a UNION or UNION ALL

- Order by should be used only on the last SELECT statement in the UNION query
- If the Order by come before then it gives an error incorrect syntax.



#### **Difference between UNION and JOIN**

UNION combines the results of two or more queries into a single result set that includes all the rows that belong to all queries in the union.

By using JOINs, you can retrieve data from two or more tables based on logical relationships between the tables. Joins indicate how SQL should use data from one table to select the rows in another table