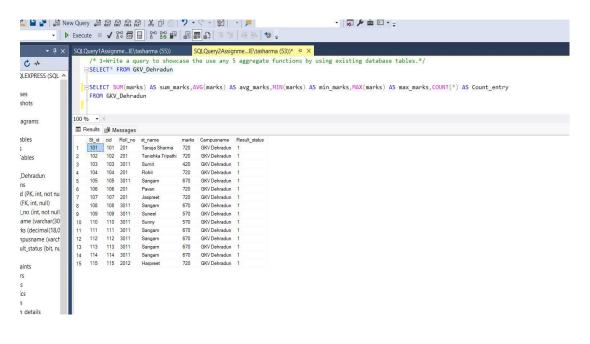
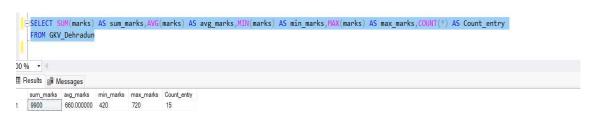
|--|

Submitted By TANUJA SHARMA

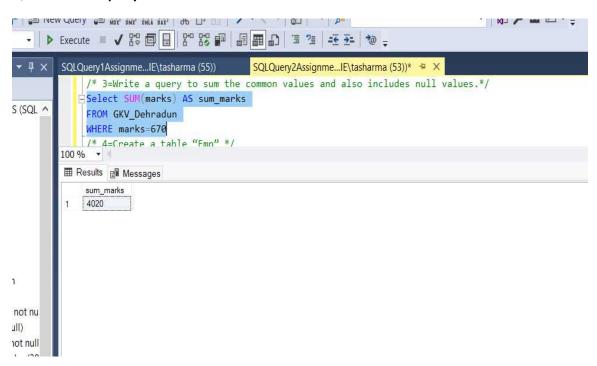
Que1= Write a query to showcase the use any 5 aggregate functions by using existing database tables.





Que2= Write a query to count the total number of rows present in any existing table.

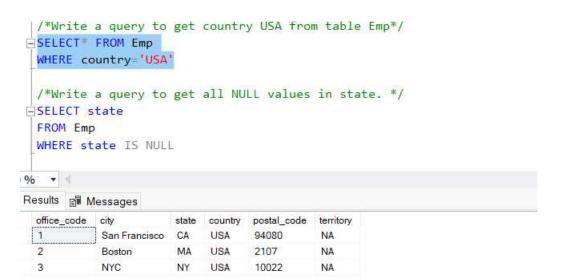
Que3= Write a query to sum the common values and also includes null values.

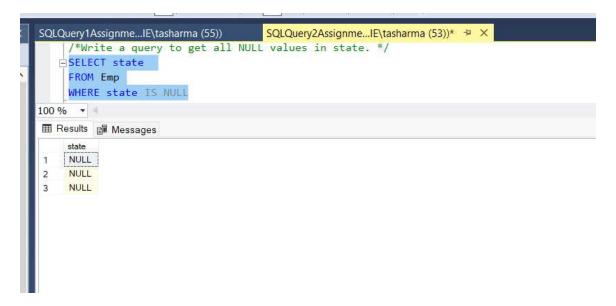


Que4= Create a table "Emp" as shown below:

to get country = USA. Write a query to get all NULL values in state.



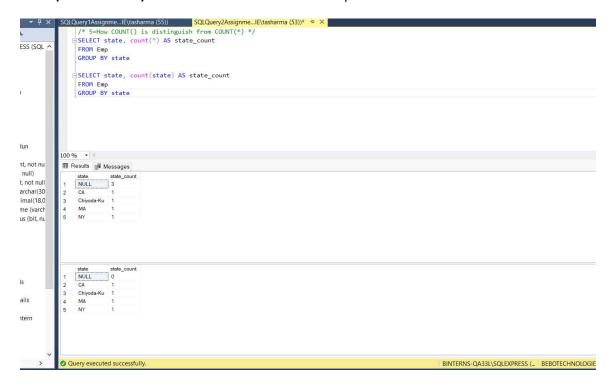




Que5= How COUNT() is distinguish from COUNT(*).

Ans5= The main difference between COUNT() and COUNT(*) are:

The **count(*)** returns all rows whether column contains null value or not while **count(columnName)** returns the number of rows except null rows.



Que6= Write the difference between Group By and Having clause.

Ans6= Difference between Having clause and Group by clause:

Having Clause:

- 1. It is used for applying some extra condition to the guery.
- 2. Having cannot be used without groupby clause,in aggregate function,in that case it behaves like where clause.
- 3. The having clause can contain aggregate functions.
- 4. It restrict the query output by using some conditions.

GroupBy Clause:

- 1. The groupby clause is used to group the data according to particular column or row.
- 2. Groupby can be used without having clause with the select statement.
- 3. It cannot contain aggregate functions.
- 4. It groups the output on basis of some rows or columns.

Que7= Write the difference between rank() and Dense Rank().

Ans7= The main differences are:

- 1. The difference between these two functions comes down to how they handle identical values.
- 2. RANK and DENSE_RANK will assign the grades the same rank depending on how they fall compared to the other values.
- 3. However, RANK will then skip the next available ranking value whereas DENSE_RANK would still use the next chronological ranking value.

eg= we have two students who have the same marks,

So with RANK, if the two 90s are given a ranking of 1, the next lowest value would be assigned a rank of 3 skipping over 2. With DENSE_RANK, the next lowest value would be assigned a rank of 2, not skipping over any values.

Que8= Define Lag() and Lead () functions.

Ans8= Lag(): The LAG() function is used to get value from row that precedes the current row.

Lead(): The LEAD() function is used to get value from row that succeeds the current row.

These are the window functions, which perform operations for each row of the partition or window. These functions produce the result for each query row unlikely to the aggregate functions that group them and results in a single row.

The row on which operation occur is termed as current row.

The set of rows which are related to current row or using which function operates on current row is termed as Window.

Que9= Comment: Use proper comments as places.

Ans9= see the sql query file where I use the comments single line and multiline.

Single line notation: --Comment

Multiline notation: /* Comment */