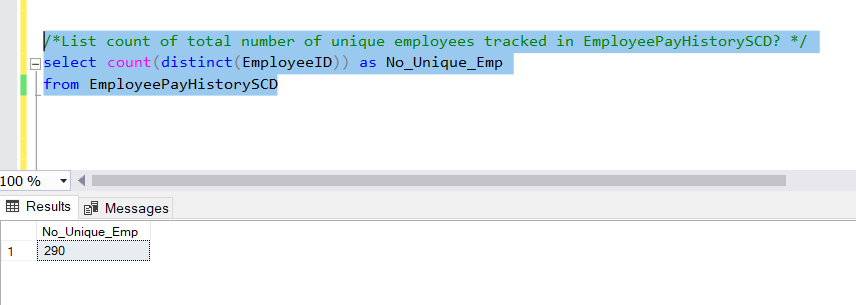
**SQL Queries:**

4

/\*List count of total number of unique employees tracked in EmployeePayHistorySCD? \*/

select count(distinct(EmployeeID)) as No\_Unique\_Emp

from EmployeePayHistorySCD



5.

/\*What employee had the most pay changes? \*/

select EmployeeID,Emp\_Name,total\_change

from

(select EmployeeID,concat(FirstName,' ',MiddleName,' ',LastName) as Emp\_Name,count(EmployeeID) as total\_change,

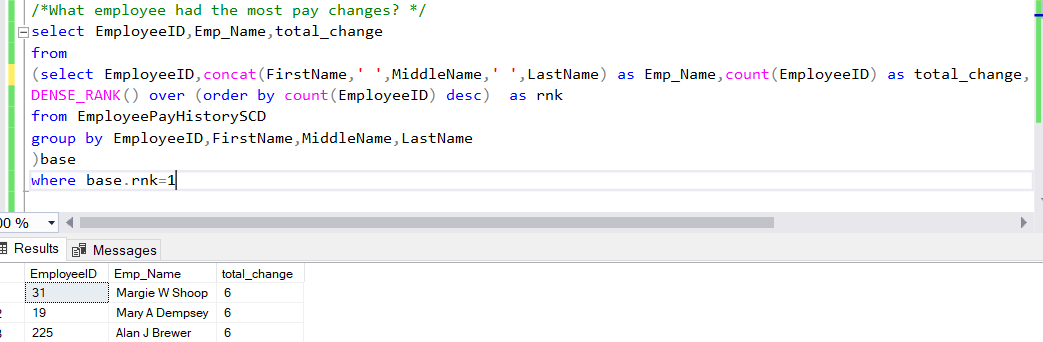
DENSE\_RANK() over (order by count(EmployeeID) desc) as rnk

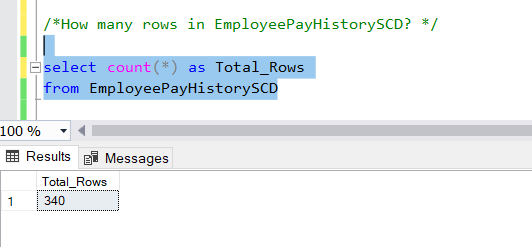
from EmployeePayHistorySCD

group by EmployeeID,FirstName,MiddleName,LastName

)base

where base.rnk=1





6. /\*How many rows in EmployeePayHistorySCD? \*/

select count(\*) as Total\_Rows

from EmployeePayHistorySCD

7.

/\*What was the employee(s) with the first pay rate recorded?\*/

select EmployeeID,Emp\_Name,rate

from

(select EmployeeID,concat(FirstName,' ',MiddleName,' ',LastName) as Emp\_Name,rate,min ([scd\_effective\_date])

as min\_date,

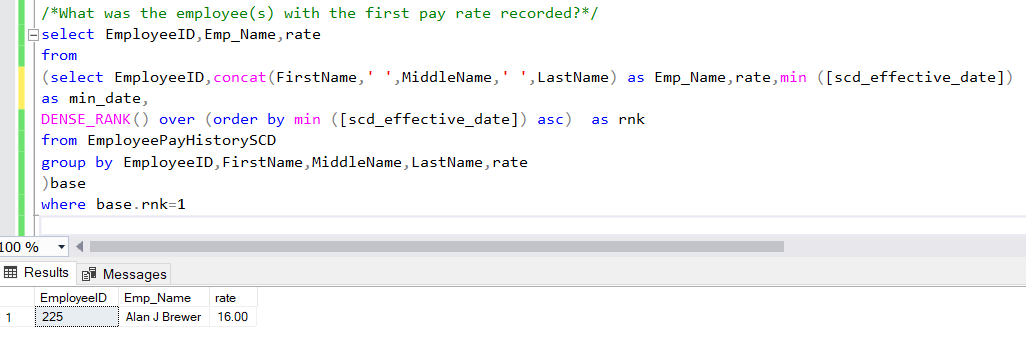
DENSE\_RANK() over (order by min ([scd\_effective\_date]) asc) as rnk

from EmployeePayHistorySCD

group by EmployeeID,FirstName,MiddleName,LastName,rate

)base

where base.rnk=1



8

/\*What was the employee(s) with the last recorder pay rate recorded?\*/

select EmployeeID,Emp\_Name,rate

from

(select EmployeeID,concat(FirstName,' ',MiddleName,' ',LastName) as Emp\_Name,rate,

max ([scd\_effective\_date]) as min\_date,

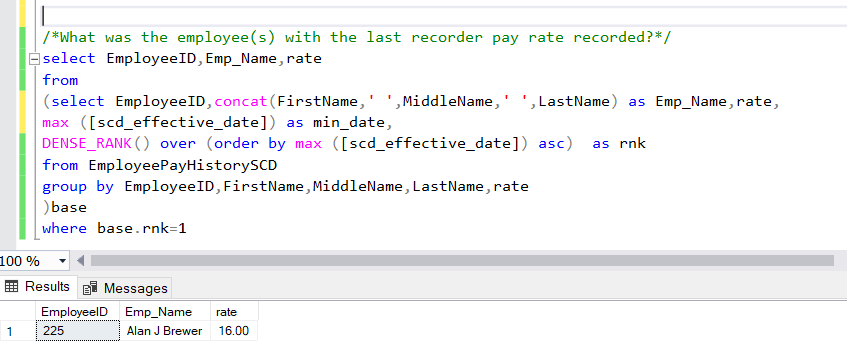
DENSE\_RANK() over (order by max ([scd\_effective\_date]) asc) as rnk

from EmployeePayHistorySCD

group by EmployeeID,FirstName,MiddleName,LastName,rate

)base

where base.rnk=1

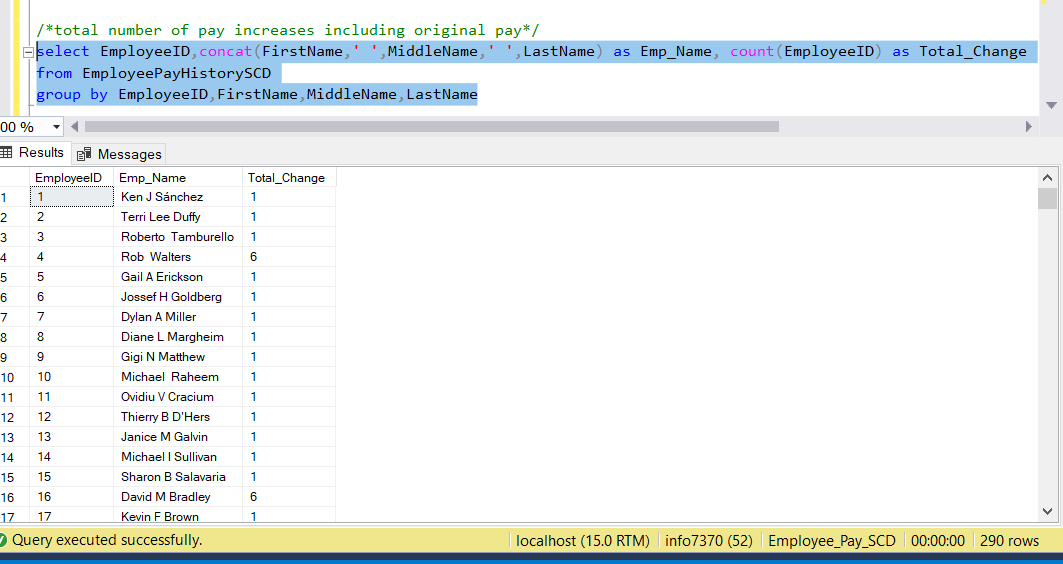


/\*total number of pay increases including original pay\*/

select EmployeeID,concat(FirstName,' ',MiddleName,' ',LastName) as Emp\_Name, count(EmployeeID) as Total\_Change

from EmployeePayHistorySCD

group by EmployeeID,FirstName,MiddleName,LastName



/\*a detailed listing employee, pay and scd start and scd end date\*/

select EmployeeID,concat(FirstName,' ',MiddleName,' ',LastName) as Emp\_Name,[Rate]

,[scd\_effective\_date]

,[scd\_ineffective\_date]

from EmployeePayHistorySCD

