CIS 430

Victor Ipinmoroti

First we create the view and add all the necessary columns with the quarry

use company

go

/\*creating the Vdept\_Budget view\*/

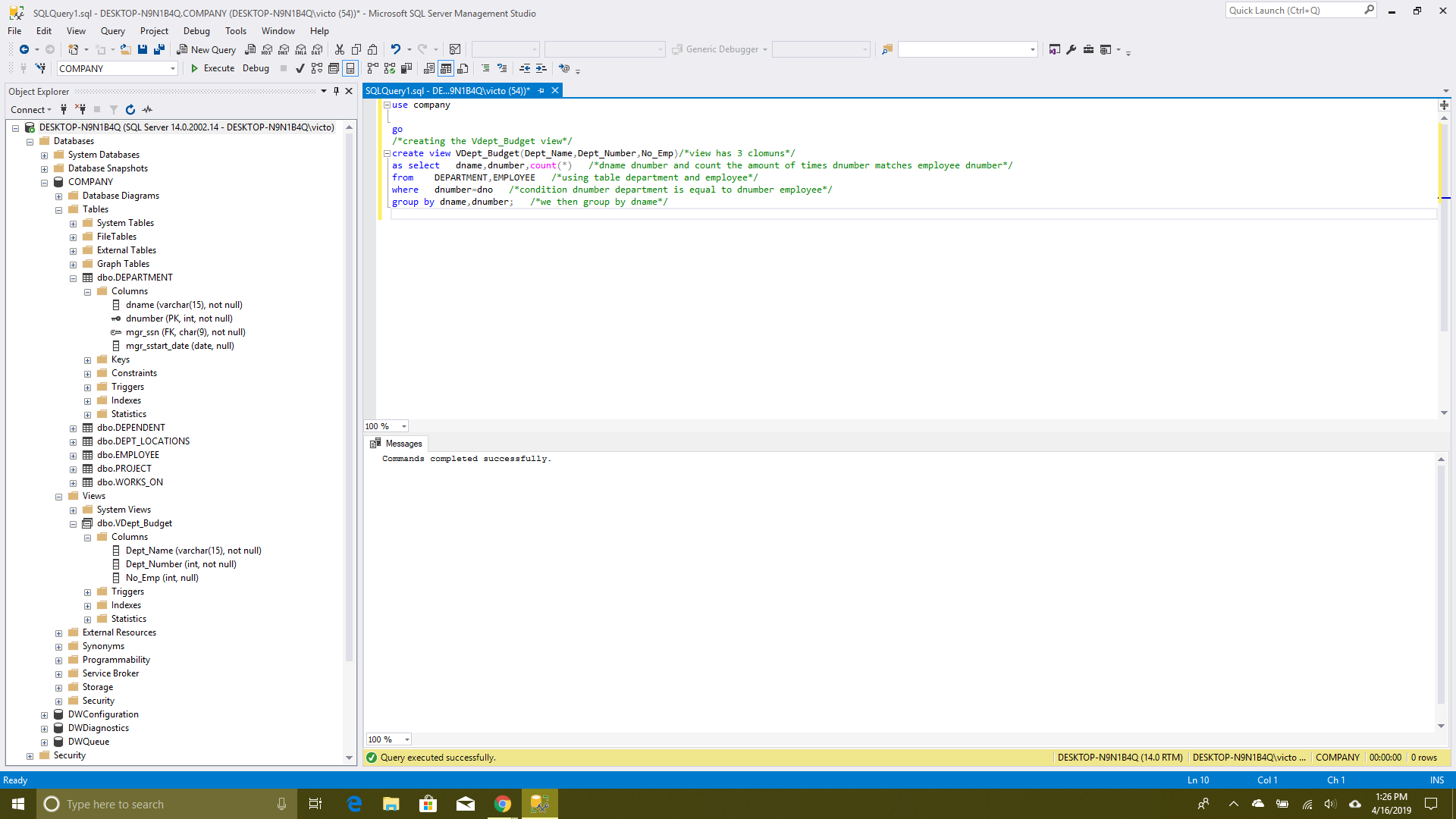
create view VDept\_Budget(Dept\_Name,Dept\_Number,No\_Emp)/\*view has 3 clomuns\*/

as select dname,dnumber,count(\*) /\*dname dnumber and count the amount of times dnumber matches employee dnumber\*/

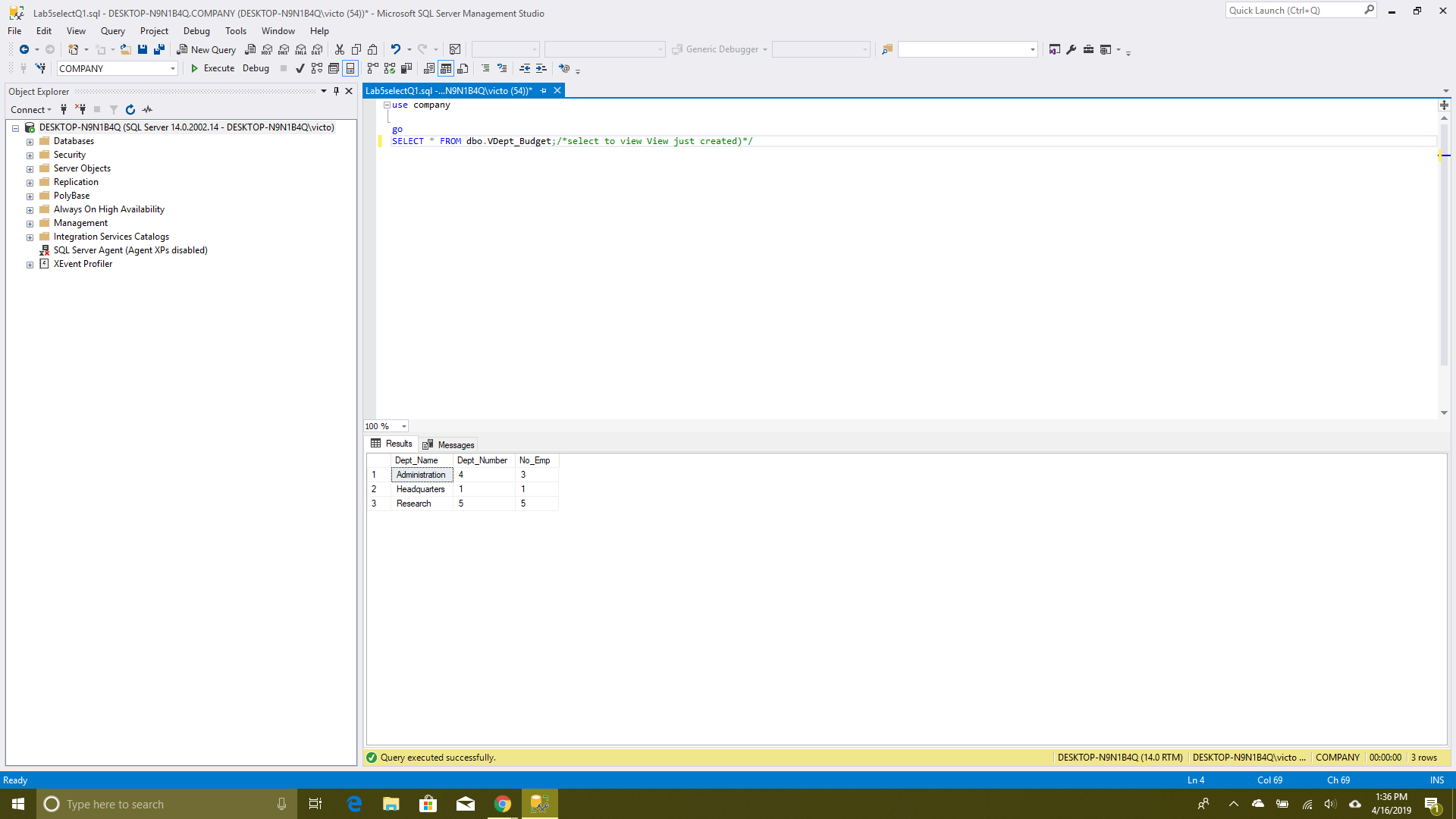
from DEPARTMENT,EMPLOYEE /\*using table department and employee\*/

where dnumber=dno /\*condition dnumber department is equal to dnumber employee\*/

group by dname,dnumber; /\*we then group by dname\*/



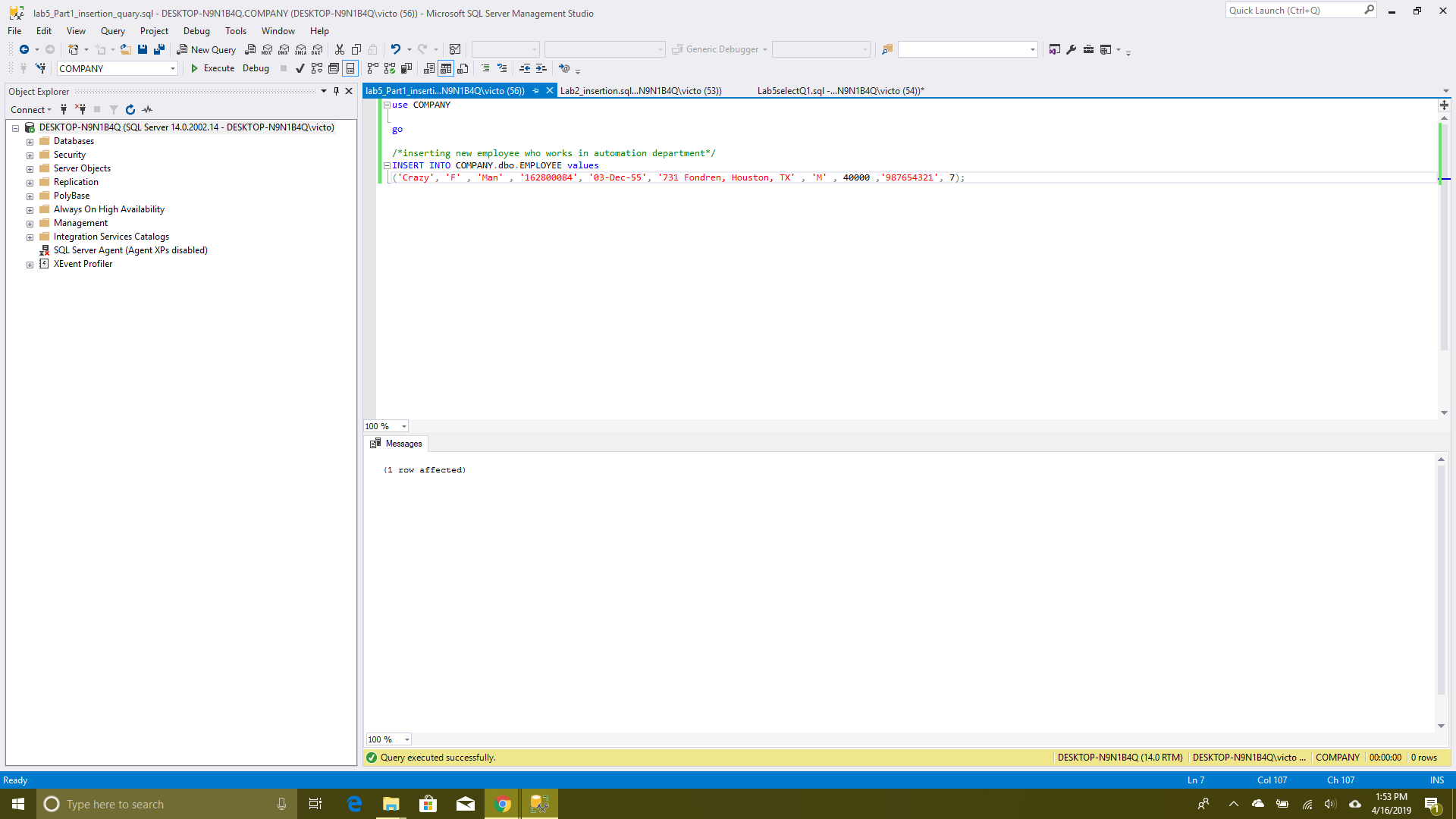
Then we use the select stamen to view result



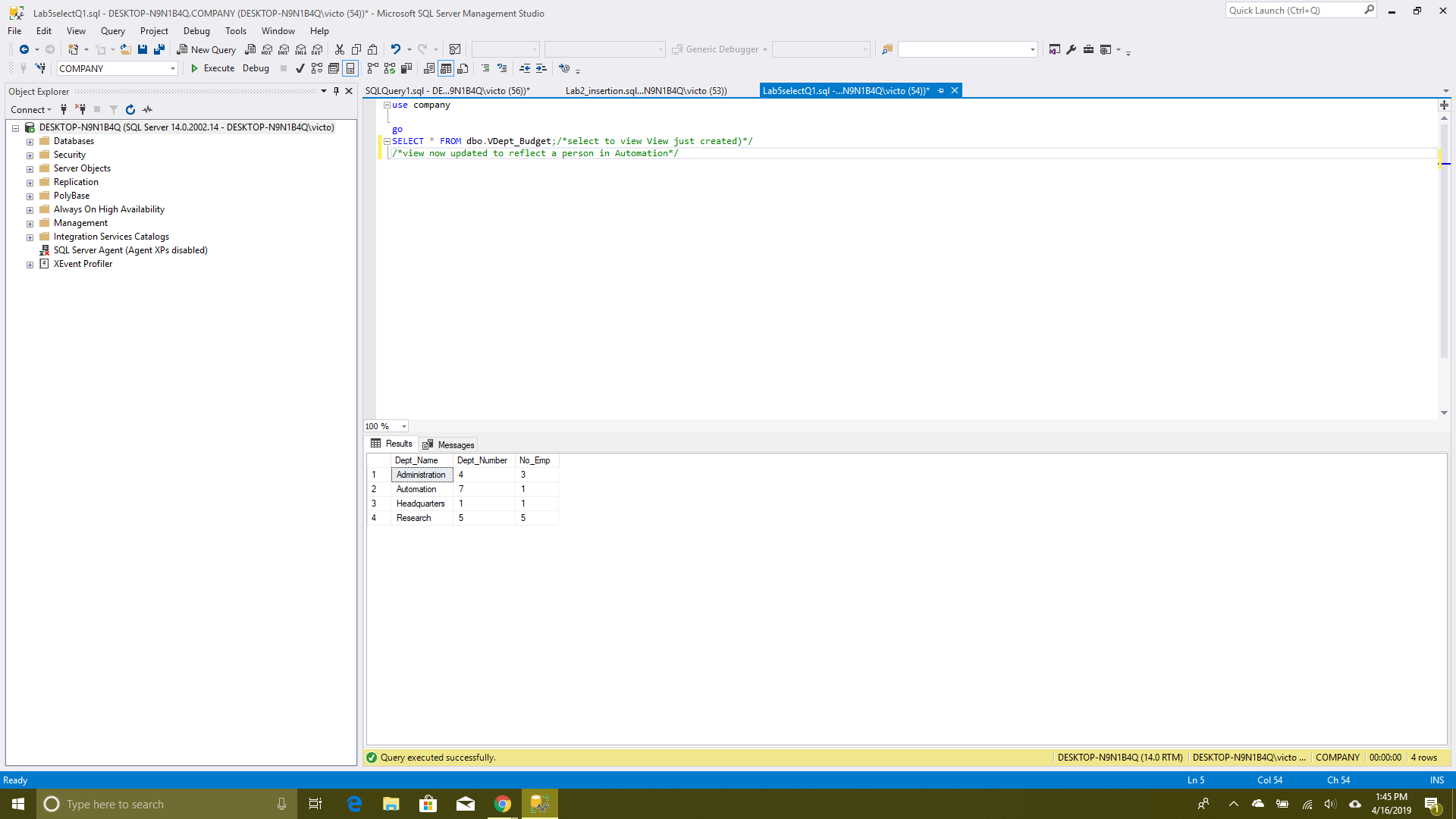
After that we add a new paerson to the employee table

INSERT INTO COMPANY.dbo.EMPLOYEE values

('Crazy', 'F' , 'Man' , '162800084', '03-Dec-55', '731 Fondren, Houston, TX' , 'M' , 40000 ,'987654321', 7);



Then we use select to view the impact



Next we alter the view to show salary and average salary

use company

go

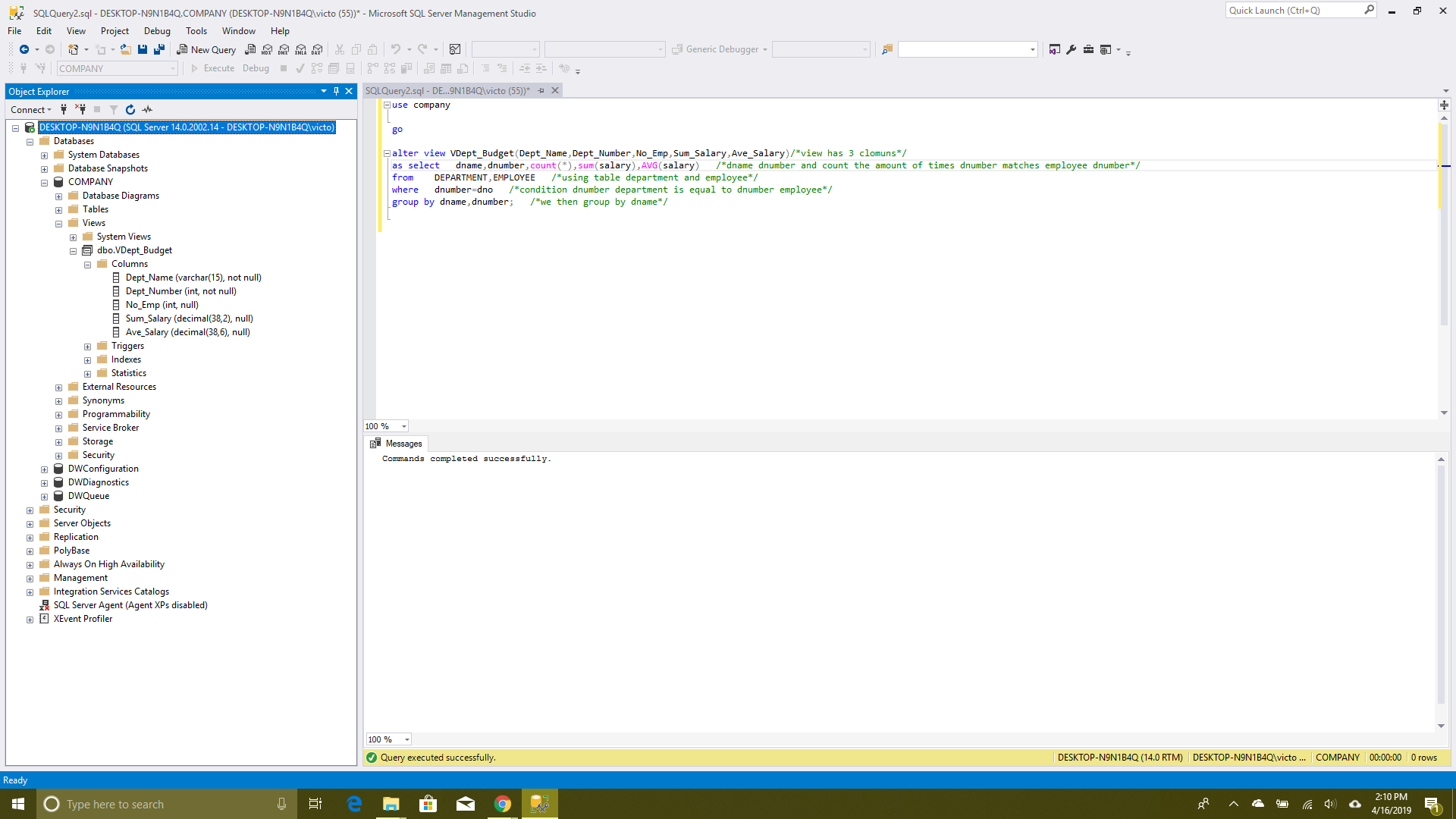
alter view VDept\_Budget(Dept\_Name,Dept\_Number,No\_Emp,Sum\_Salary,Ave\_Salary)/\*view has 3 clomuns\*/

as select dname,dnumber,count(\*),sum(salary),AVG(salary) /\*dname dnumber and count the amount of times dnumber matches employee dnumber\*/

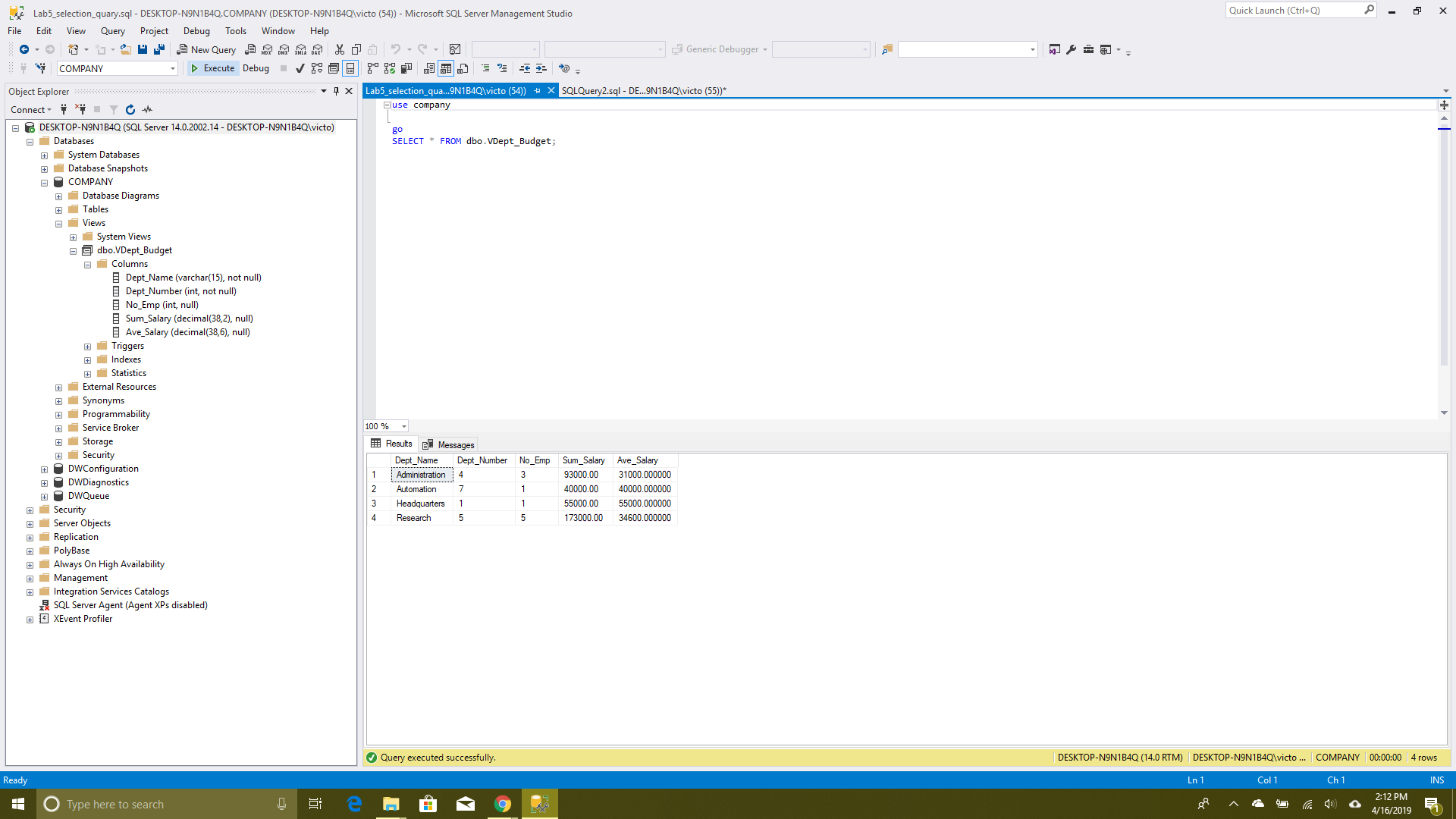
from DEPARTMENT,EMPLOYEE /\*using table department and employee\*/

where dnumber=dno /\*condition dnumber department is equal to dnumber employee\*/

group by dname,dnumber; /\*we then group by dname\*/



Then we select to view our impact



Next we make the procedure

use COMPANY

go

create or alter procedure sp\_report\_new\_budget

as

declare @Count int

declare @newDept\_Name char(30) /\* declare varaibles\*/

declare @newDept\_No int

declare @count\_Emp int

declare @Sum\_Salary int

declare @Ave\_Salary int

declare @new\_Sum\_Salary int

declare @new\_Ave\_Salary int

/\*check if table exist or not\*/ /\* for personal use not realy needed\*/

if not exists(SELECT \* FROM INFORMATION\_SCHEMA.TABLES

WHERE TABLE\_NAME = N'NEW\_Dept\_Budget')

Begin

CREATE TABLE NEW\_Dept\_Budget /\*create NEW\_Dept\_Budget table\*/

(

newDept\_Name char(30),

newDept\_No int,

count\_Emp int,

new\_Sum\_Salary int,

new\_Ave\_Salary int,

primary key (newDept\_Name), /\*assign primary key\*/

);

End

select @Count=COUNT(\*)/\* check if the view is empty\*/

from dbo.VDept\_Budget

if @Count=0 /\* if view is empty purpulate it\*/

Begin

print 'view is empty porpulate it'

return

end

declare budget\_cursor cursor for /\* declare cursor to check each cell for each row in the view\*/

select Dept\_Name, Dept\_Number,No\_Emp,Sum\_Salary,Ave\_Salary

from dbo.VDept\_Budget

open budget\_cursor

fetch next from budget\_cursor into @newDept\_Name, @newDept\_No, @count\_Emp, @Sum\_Salary, @Ave\_Salary /\*for each value checked put that vale into this variables\*/

while @@FETCH\_STATUS=0

begin

if @newDept\_No=1 /\*for each case change sum as needed given that we change the sum avrage is not affected be cause we scale up and amount does not change\*/

begin

set @new\_Sum\_Salary=((@Sum\_Salary\*0.1)+@Sum\_Salary)

set @new\_Ave\_Salary=(@new\_Sum\_Salary/@count\_Emp)

insert into dbo.NEW\_Dept\_Budget

(newDept\_Name, newDept\_No,count\_Emp, new\_Sum\_Salary, new\_Ave\_Salary)

values(@newDept\_Name, @newDept\_No, @count\_Emp, @new\_Sum\_Salary,@new\_Ave\_Salary)

fetch next from budget\_cursor into @newDept\_Name,@newDept\_No,@count\_Emp,@Sum\_Salary,@Ave\_Salary

end

if @newDept\_No=4 /\*for each case change sum as needed given that we change the sum avrage is not affected be cause we scale up and amount does not change\*/

begin

set @new\_Sum\_Salary=((@Sum\_Salary\*0.2)+@Sum\_Salary)

set @new\_Ave\_Salary=(@new\_Sum\_Salary/@count\_Emp)

insert into dbo.NEW\_Dept\_Budget

(newDept\_Name, newDept\_No,count\_Emp, new\_Sum\_Salary, new\_Ave\_Salary)

values(@newDept\_Name, @newDept\_No, @count\_Emp, @new\_Sum\_Salary,@new\_Ave\_Salary)

fetch next from budget\_cursor into @newDept\_Name,@newDept\_No,@count\_Emp,@Sum\_Salary,@Ave\_Salary

end

if @newDept\_No=5 /\*for each case change sum as needed given that we change the sum avrage is not affected be cause we scale up and amount does not change\*/

begin

set @new\_Sum\_Salary=((@Sum\_Salary\*0.3)+@Sum\_Salary)

set @new\_Ave\_Salary=(@new\_Sum\_Salary/@count\_Emp)

insert into dbo.NEW\_Dept\_Budget

(newDept\_Name, newDept\_No,count\_Emp, new\_Sum\_Salary, new\_Ave\_Salary)

values(@newDept\_Name, @newDept\_No, @count\_Emp, @new\_Sum\_Salary,@new\_Ave\_Salary)

fetch next from budget\_cursor into @newDept\_Name,@newDept\_No,@count\_Emp,@Sum\_Salary,@Ave\_Salary

end

if @newDept\_No=7 /\*for each case change sum as needed given that we change the sum avrage is not affected be cause we scale up and amount does not change\*/

begin

set @new\_Sum\_Salary=((@Sum\_Salary\*0.4)+@Sum\_Salary)

set @new\_Ave\_Salary=(@new\_Sum\_Salary/@count\_Emp)

insert into dbo.NEW\_Dept\_Budget

(newDept\_Name, newDept\_No,count\_Emp, new\_Sum\_Salary, new\_Ave\_Salary)

values(@newDept\_Name, @newDept\_No, @count\_Emp, @new\_Sum\_Salary,@new\_Ave\_Salary)

fetch next from budget\_cursor into @newDept\_Name,@newDept\_No,@count\_Emp,@Sum\_Salary,@Ave\_Salary

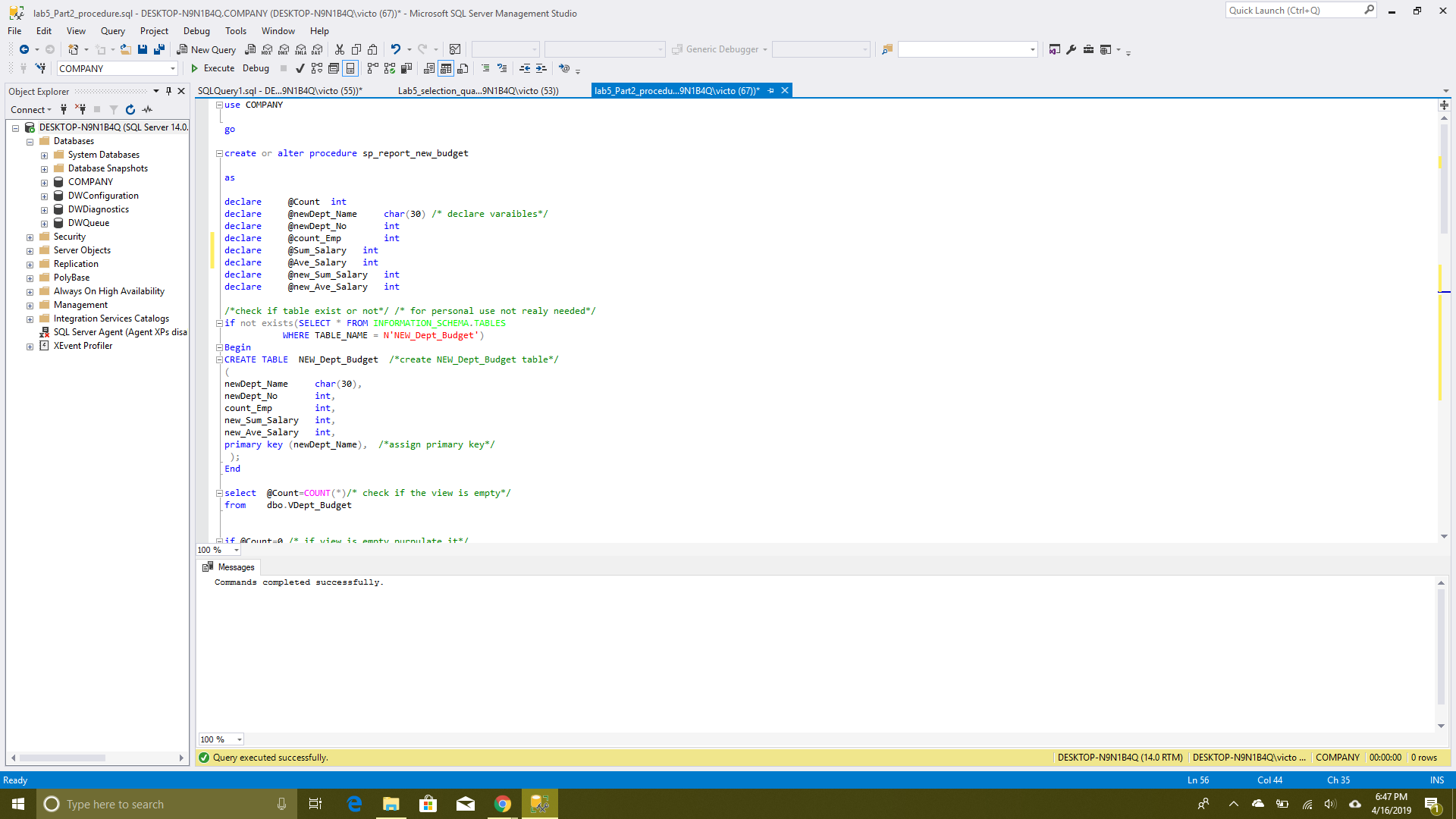
end

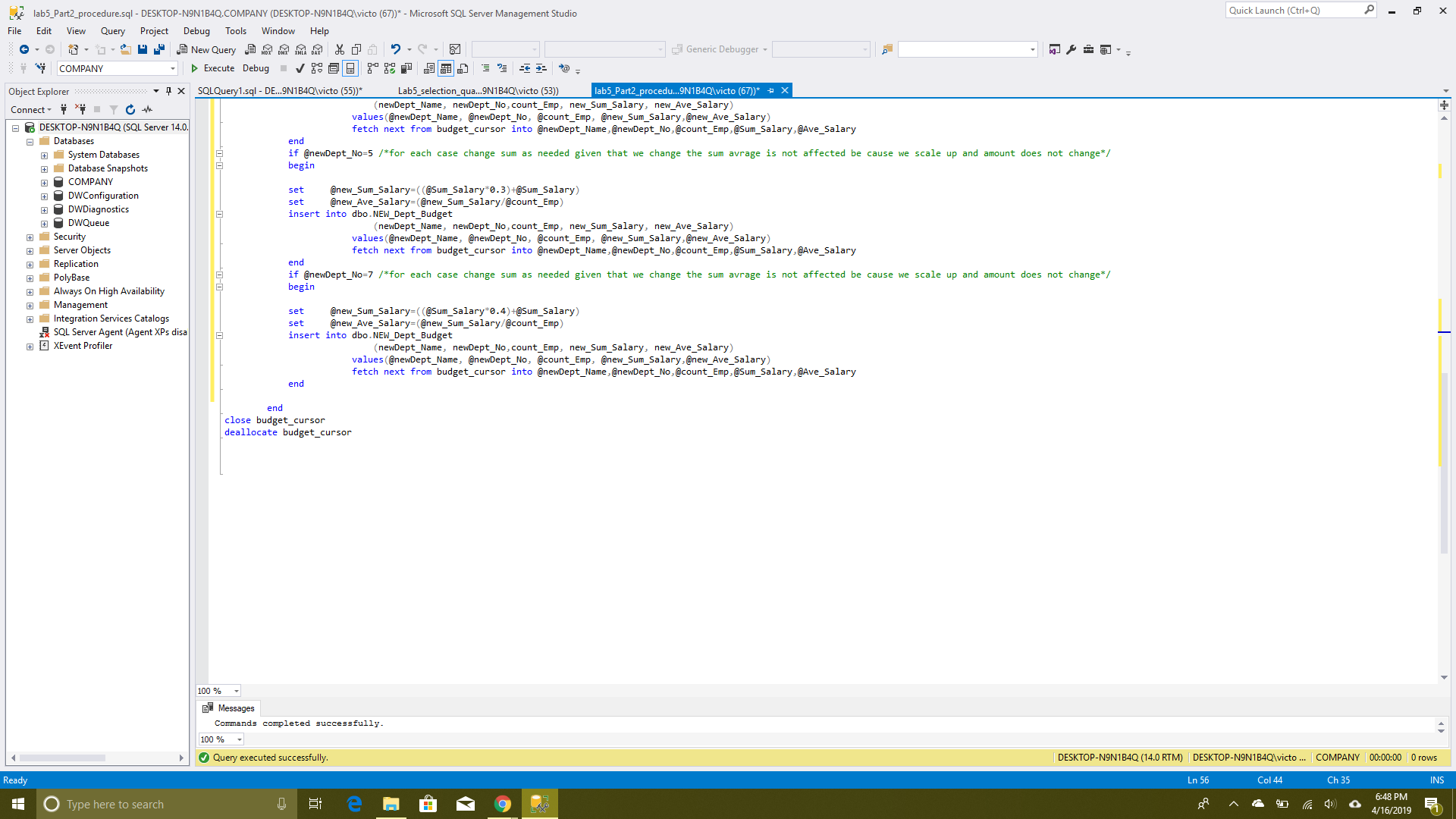
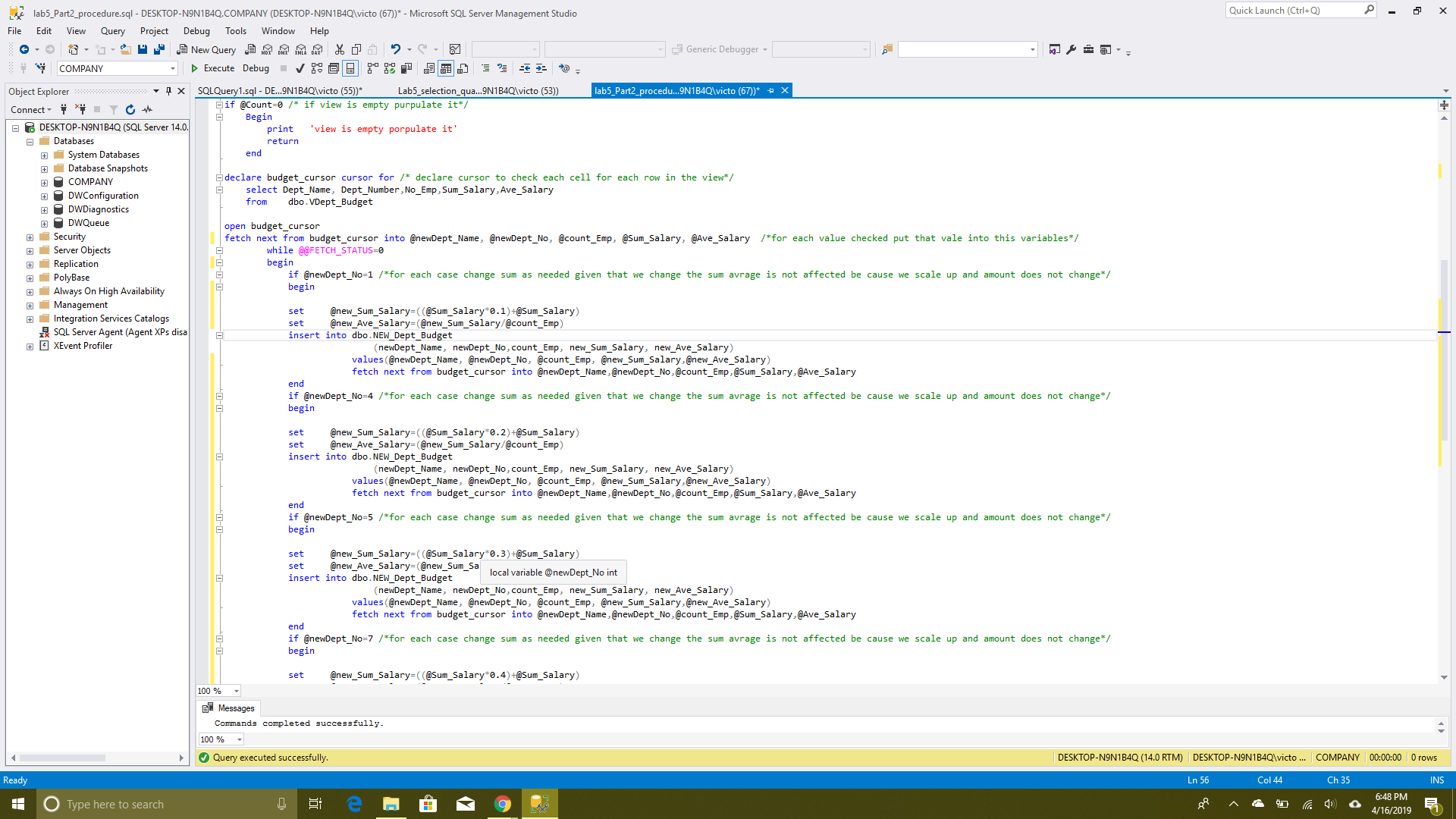
end

close budget\_cursor

deallocate budget\_cursor

note the if statement used to check if the table exist is not needed I used it because I made a mistake initial version but while making the new version I was not sure if I deleted the table or not so I just checked for it first.





After this we execute the procedure and use the select statement to view the table created by the procedure

use company

go

exec sp\_report\_new\_budget;

