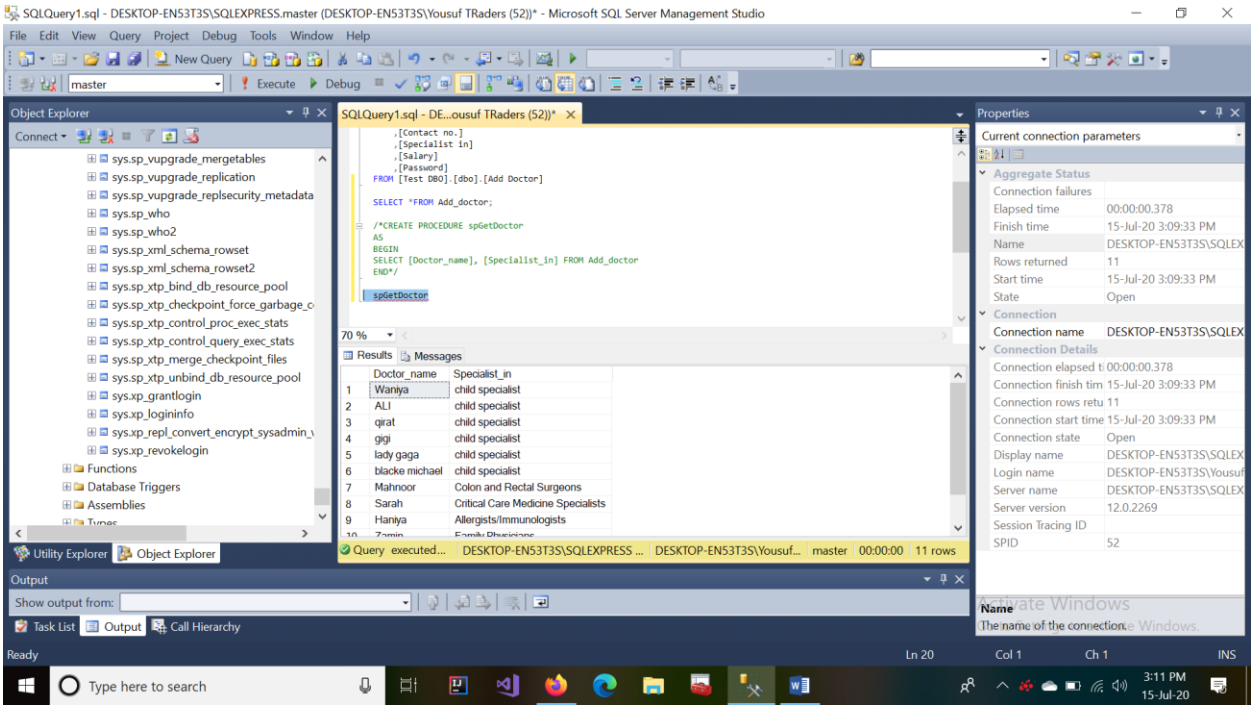
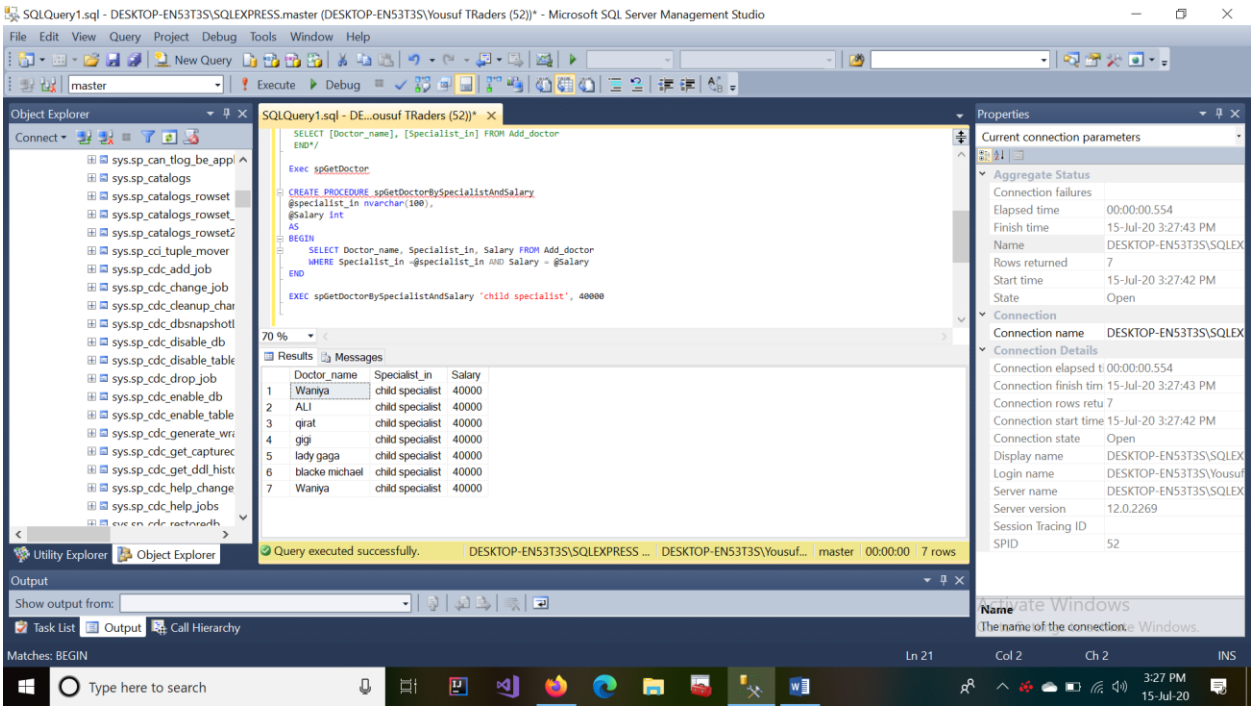
PROCEDURE

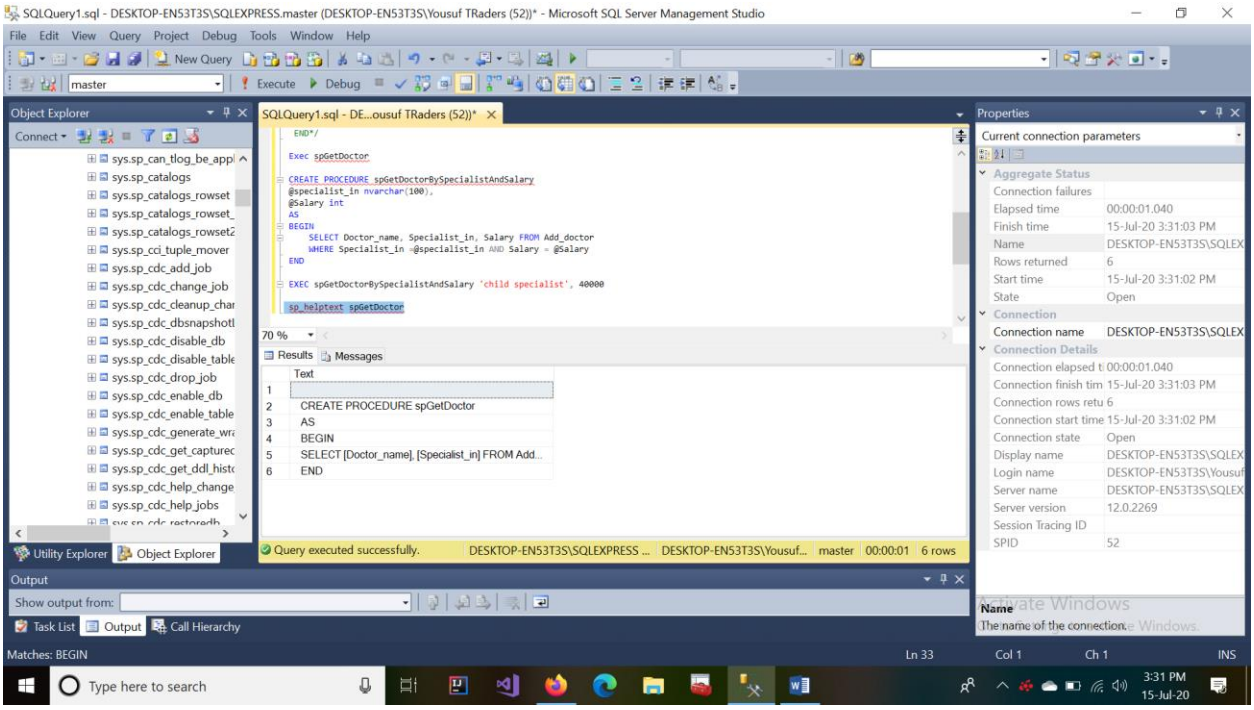
- First create procedure than run the procedure by name.



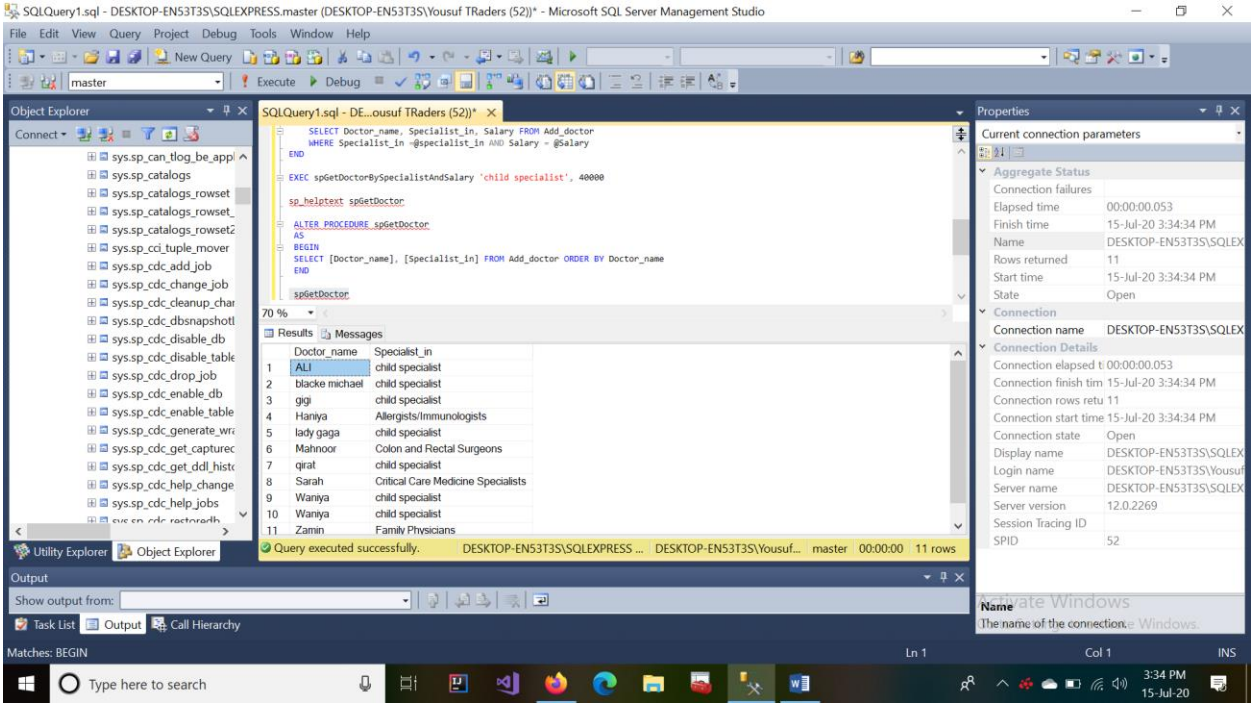
- Create procedure with certain parameters and execute by giving values



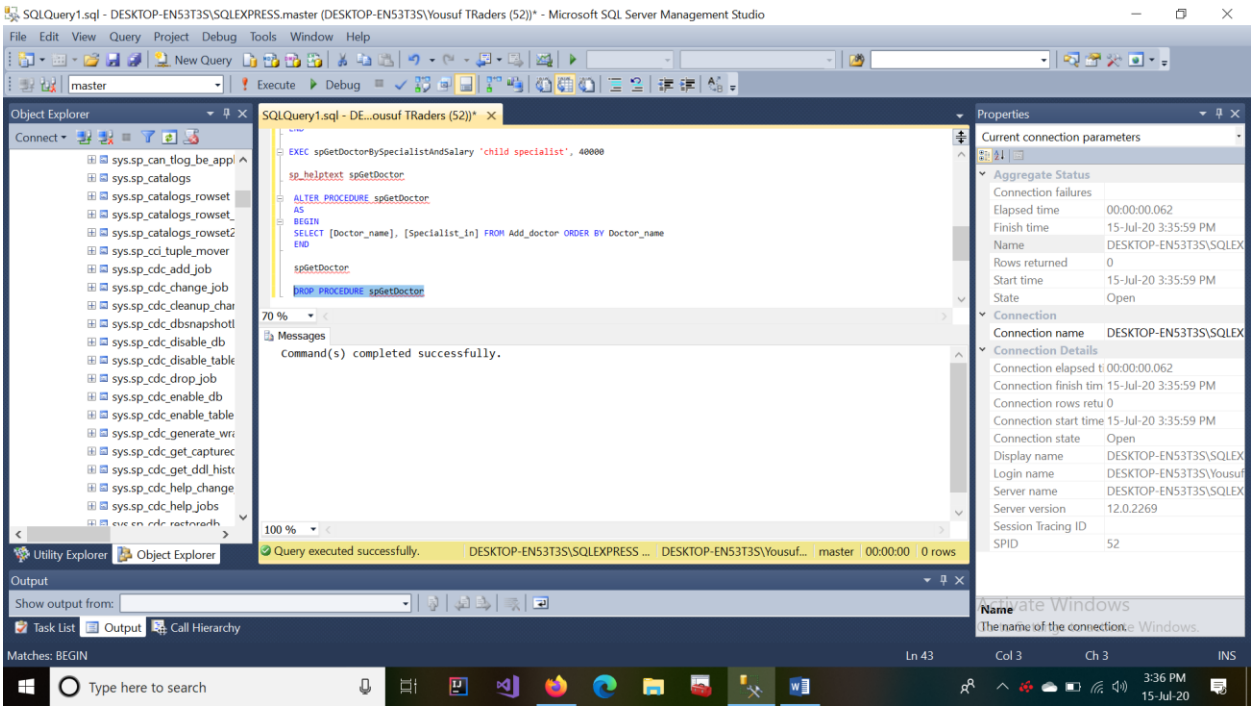
- Using built-in procedure to get stored procedure



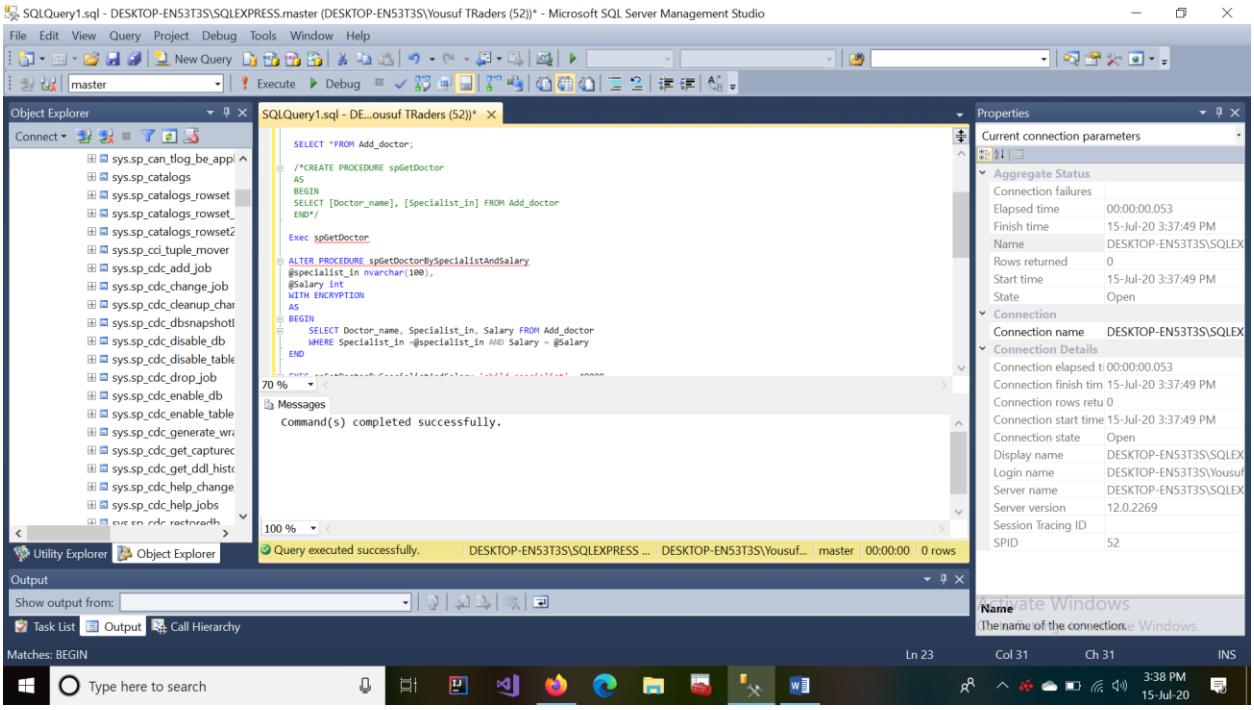
- Altering Procedure table, for using ORDER BY statement

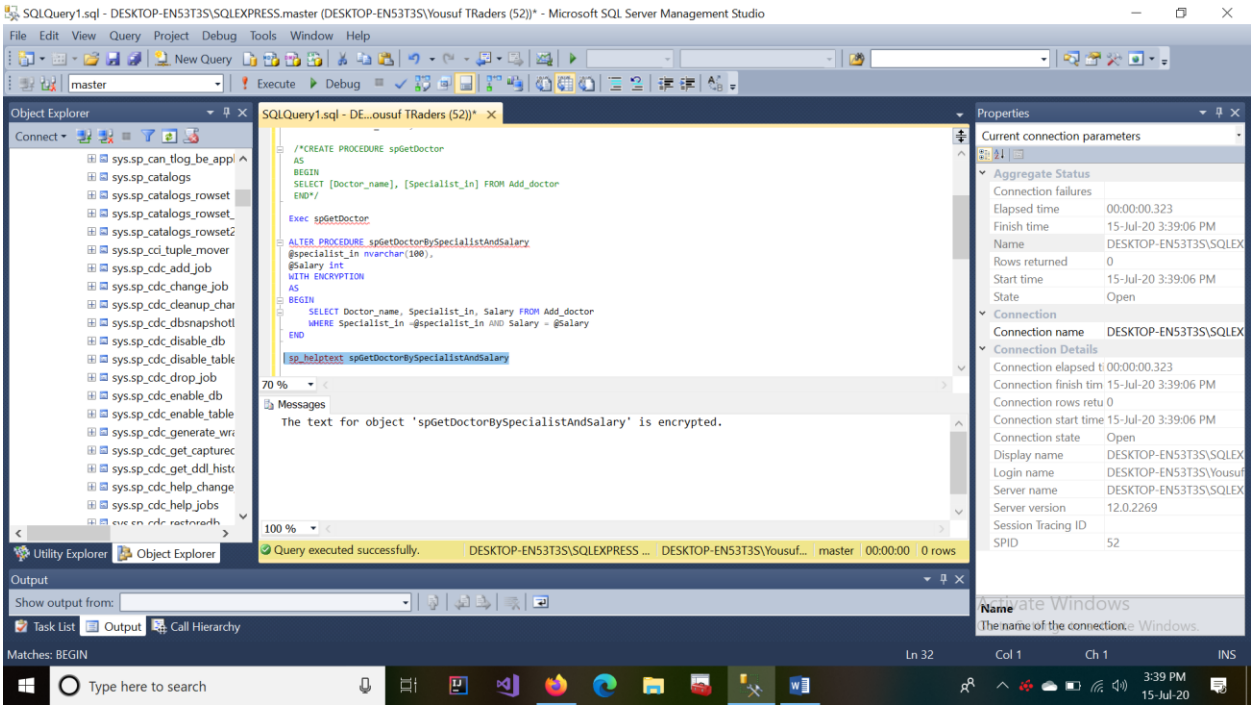


- Drop the following Procedure

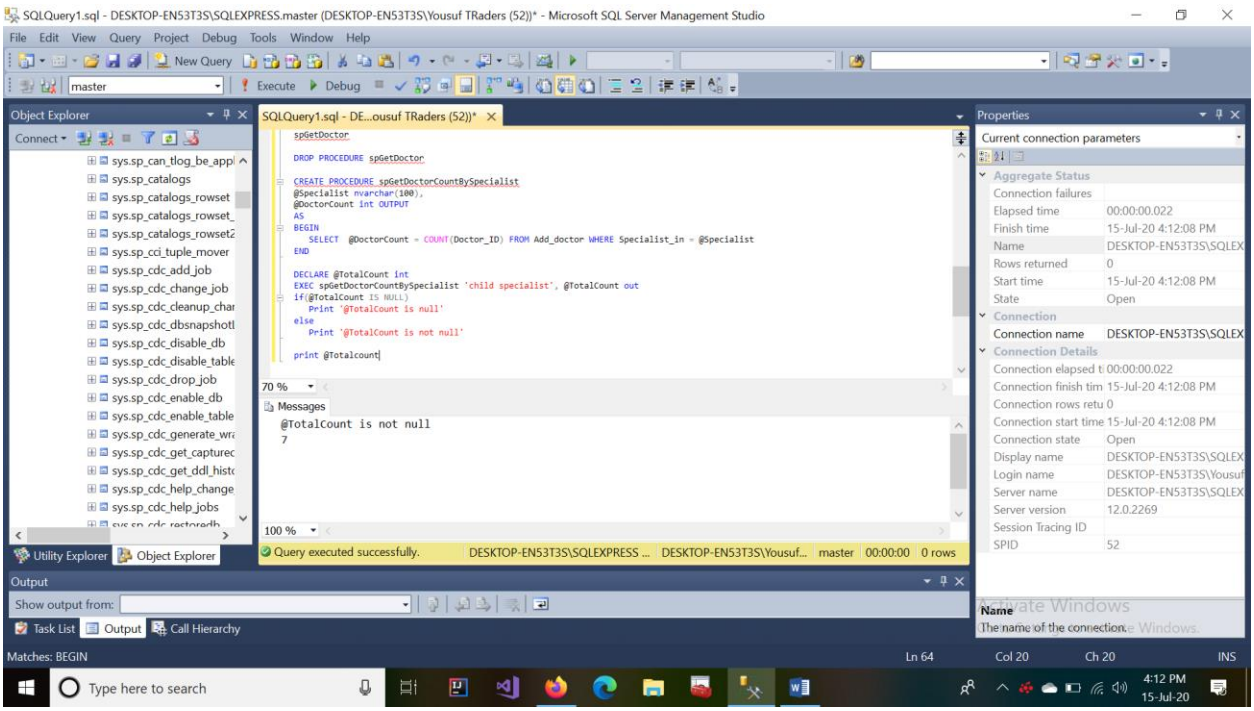


- Encrypted the other Procedure (means text not visible)

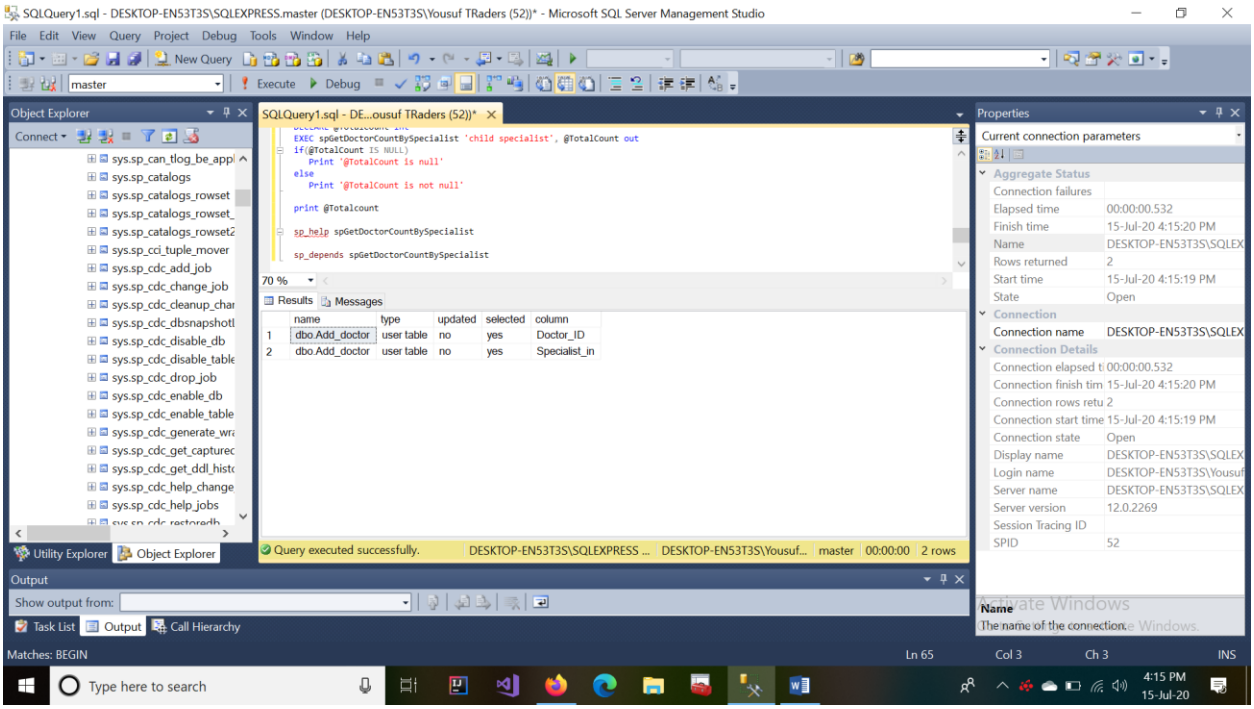




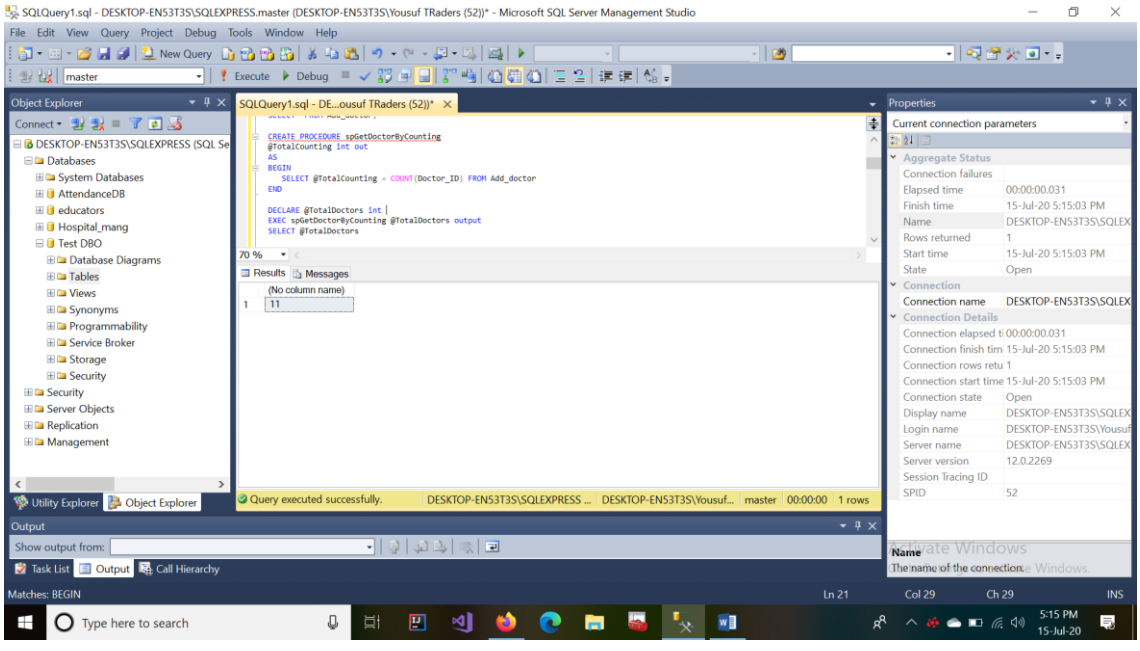
- Create procedure and using OUTPUT Parameter



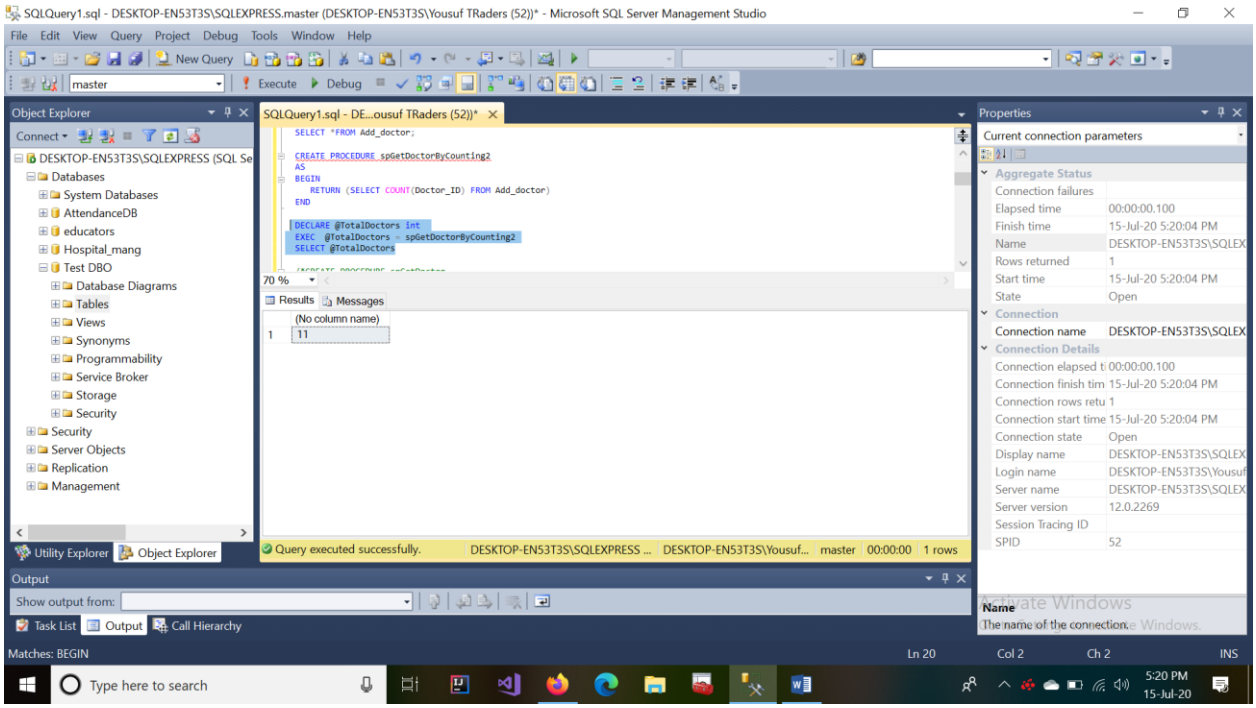
- using [sp_depends]



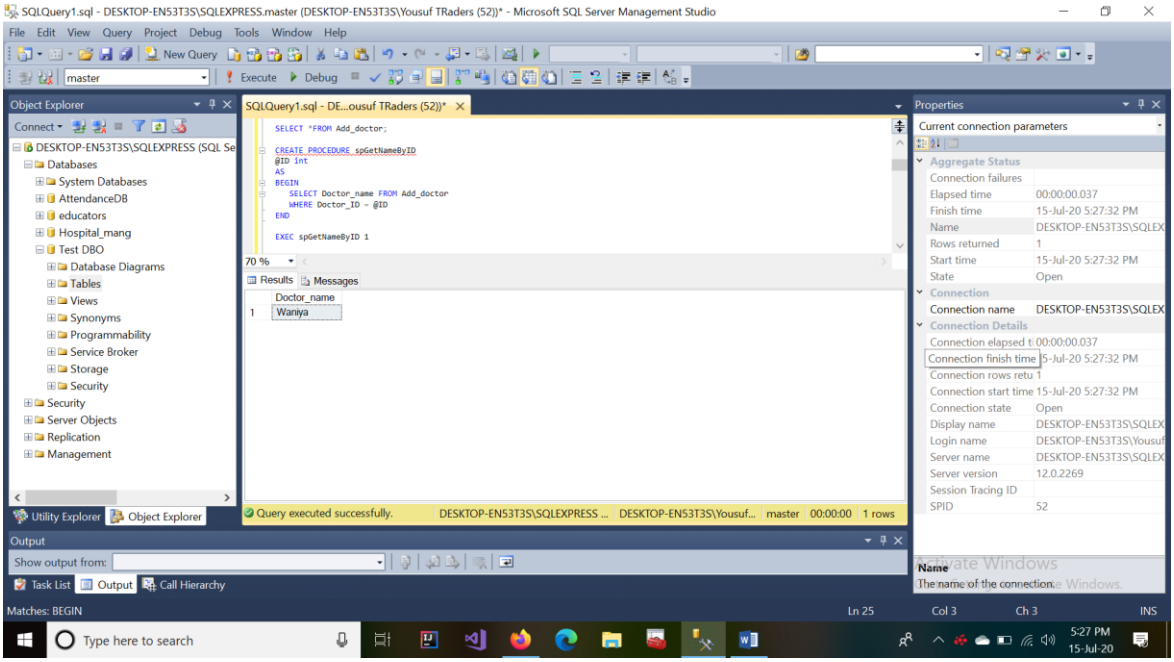
- create procedure to count certain parameter using OUTPUT



- Using RETURN value not using OUTPUT



- Create procedure to call by ID

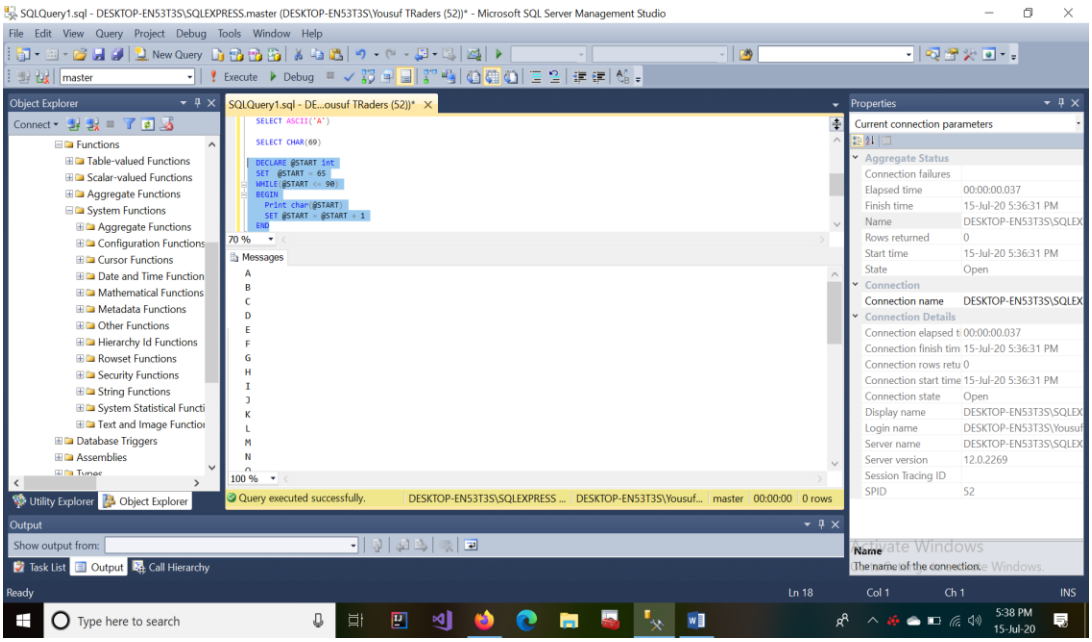


ADVANTAGES OF PROCEDURE

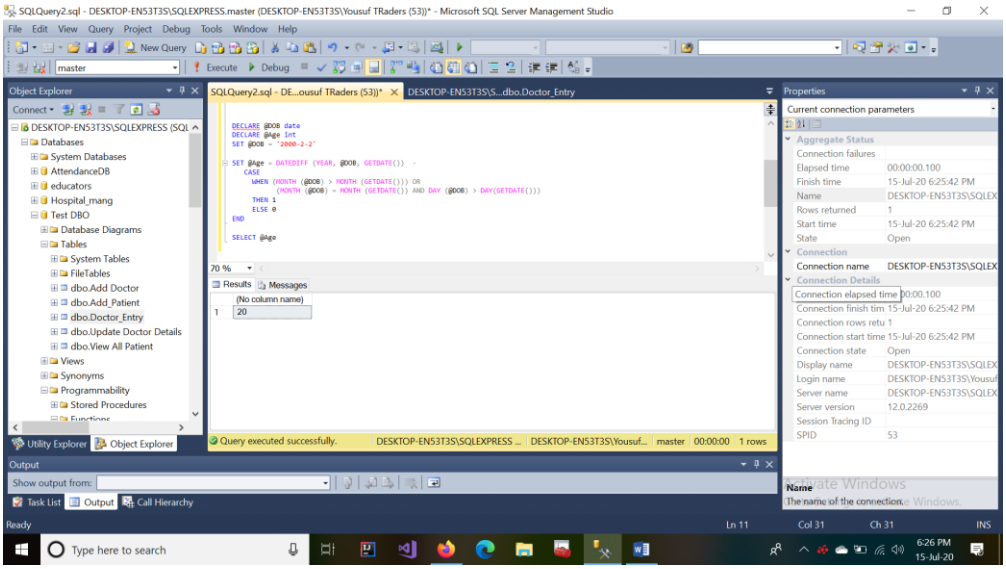
- Execution reusability
- Reduce network traffic
- Code reusability and better maintenance
- Better security
- Avoid SQL injection attack

FUNCTIONS

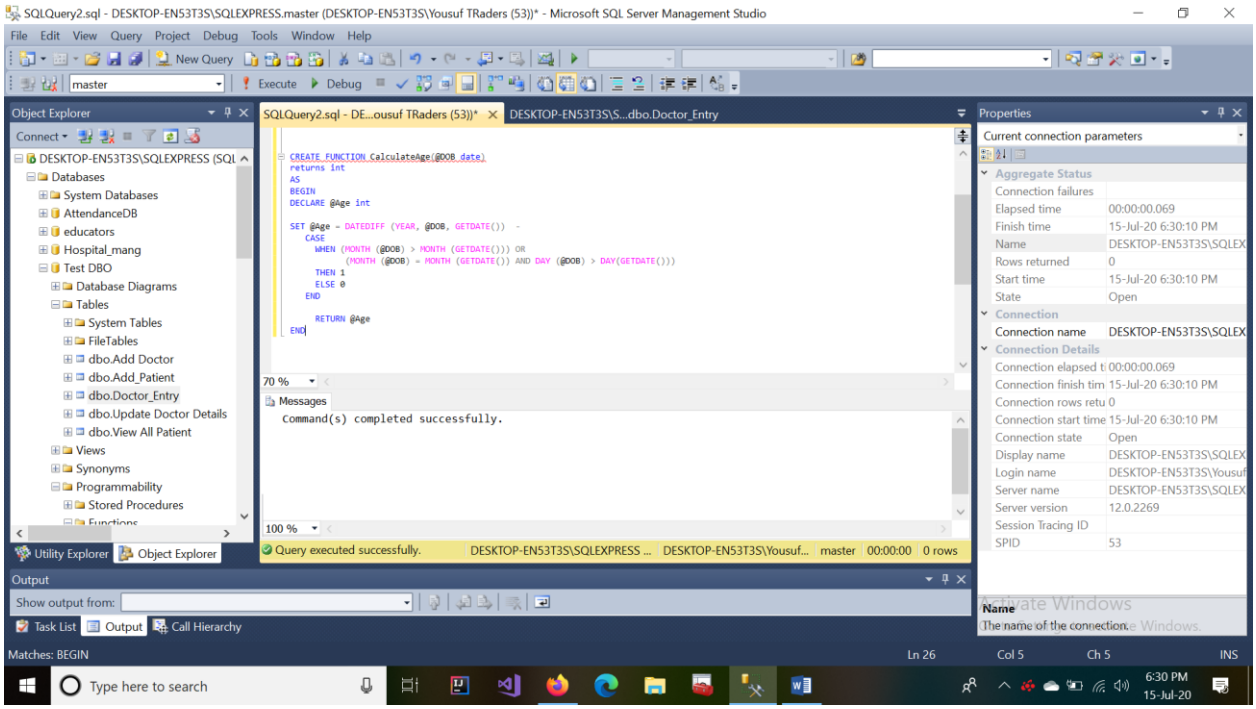
- Using built in Function



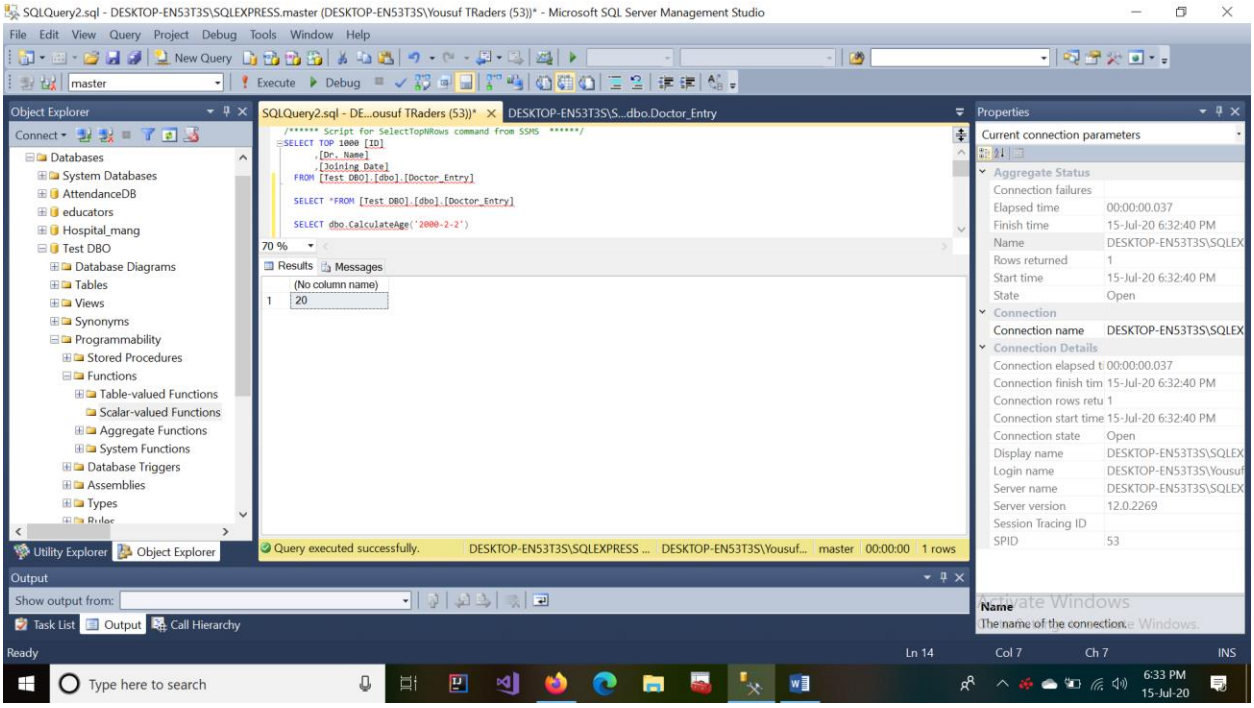
- Create functions with condition



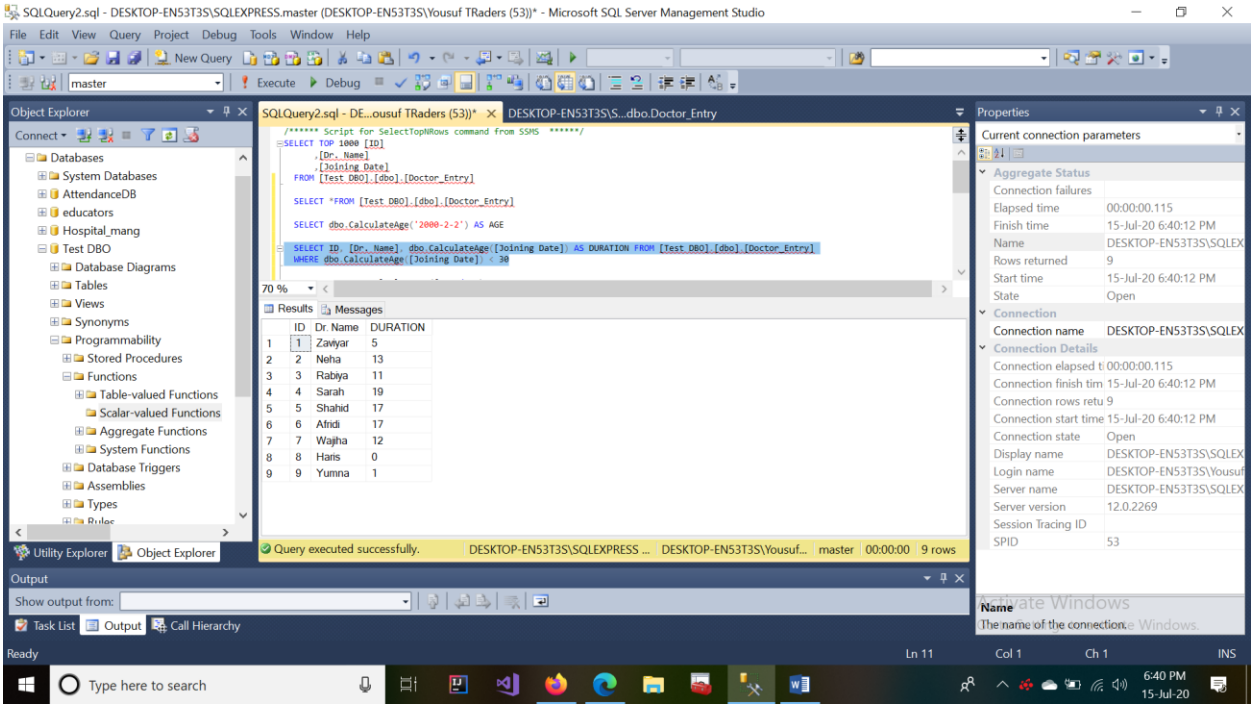
- Scalar Function



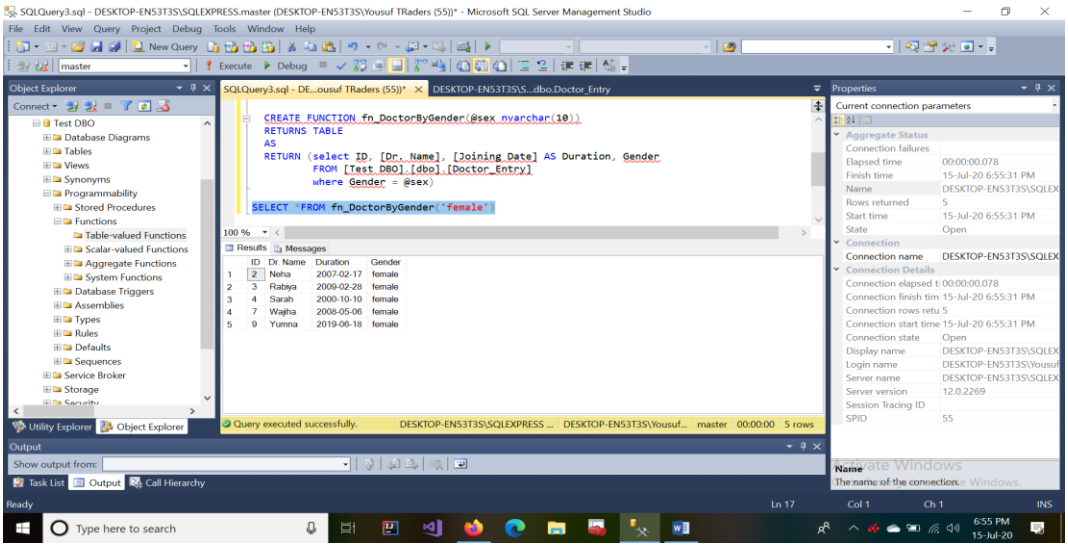
- Execution of other table



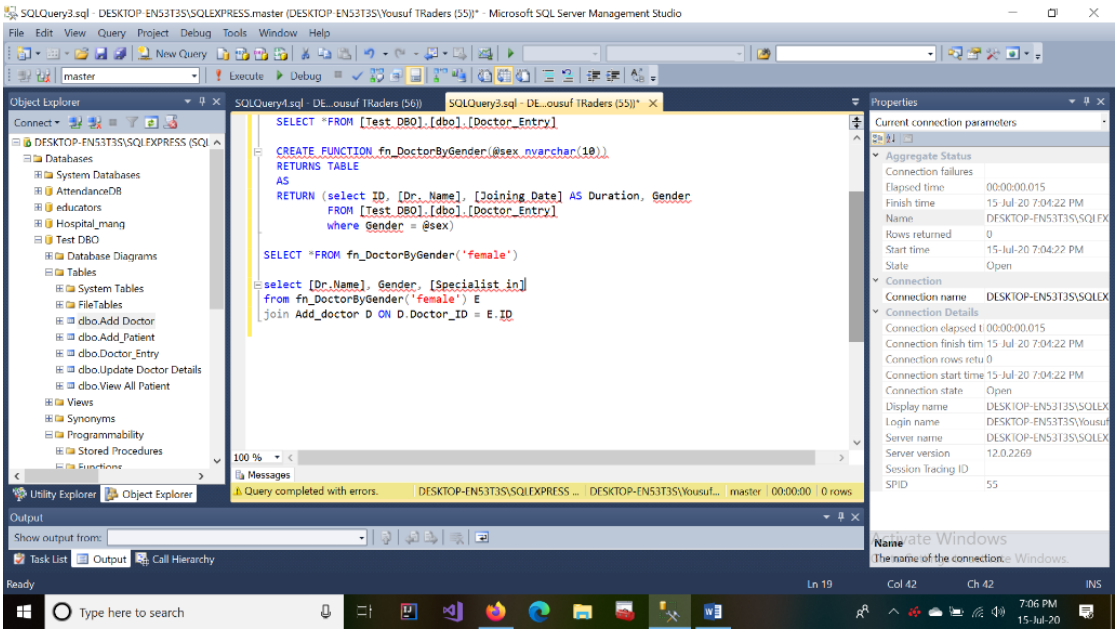
- Using Function with other parameter with certain condition



- Table Function

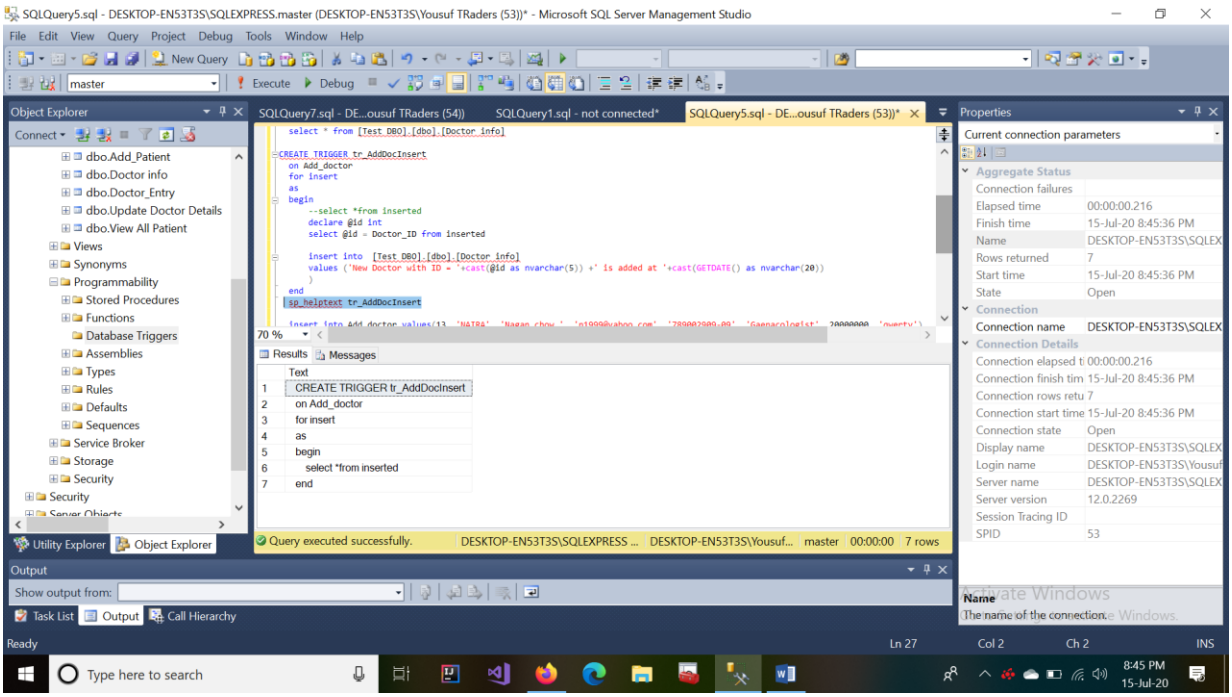


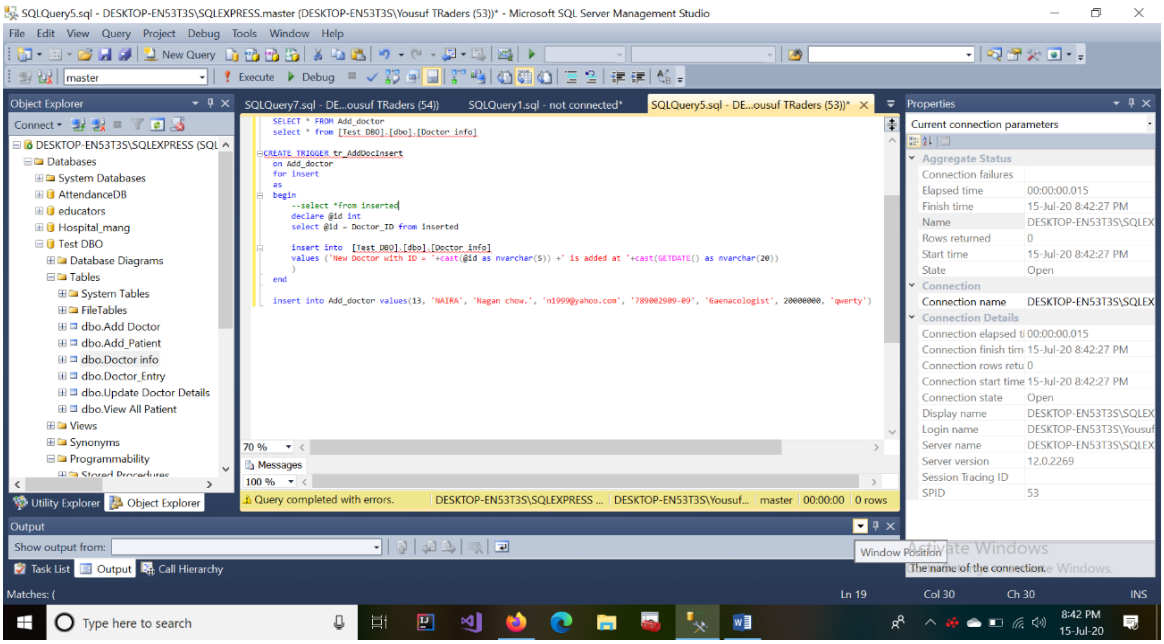
- Multiline function



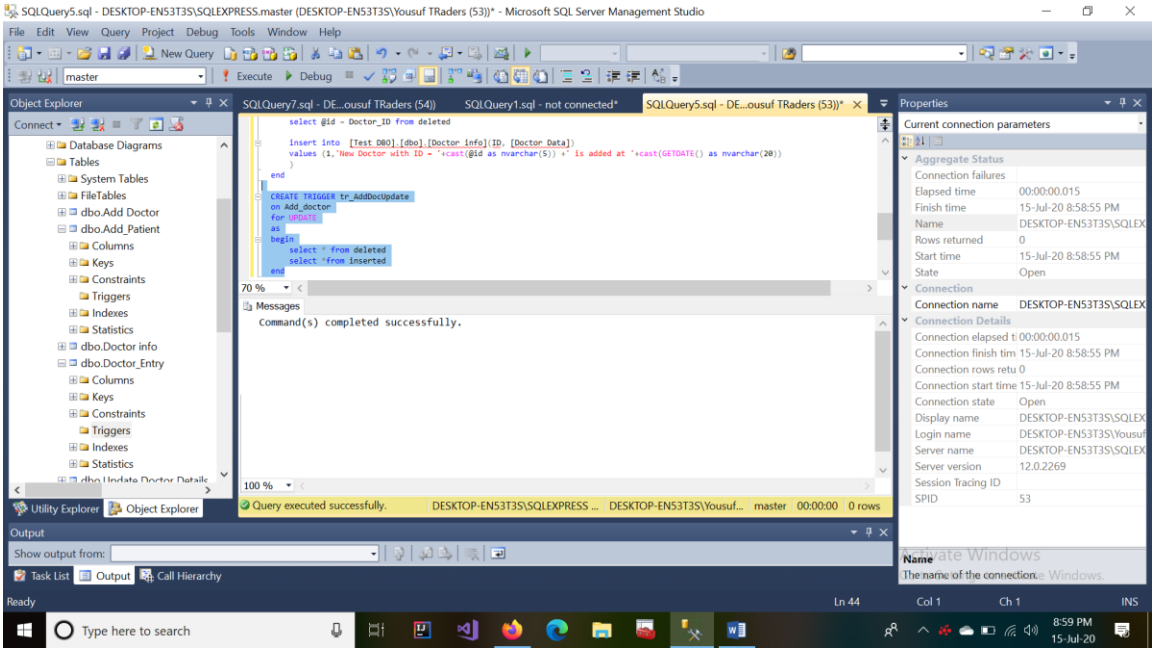
TRIGGER

- Insert

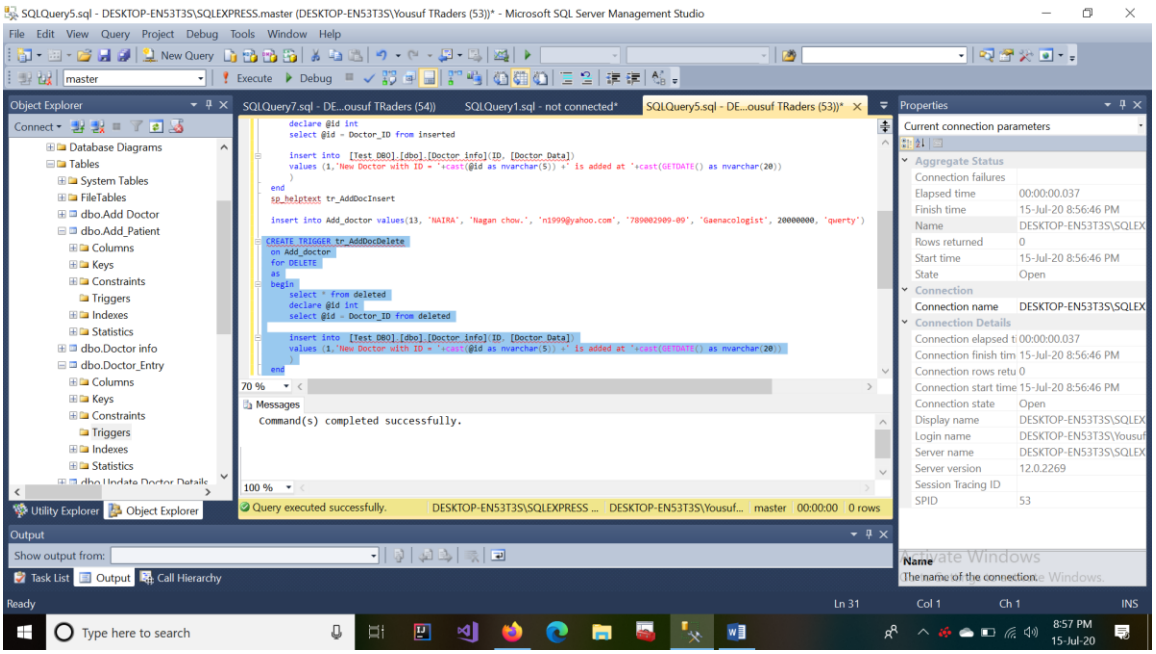


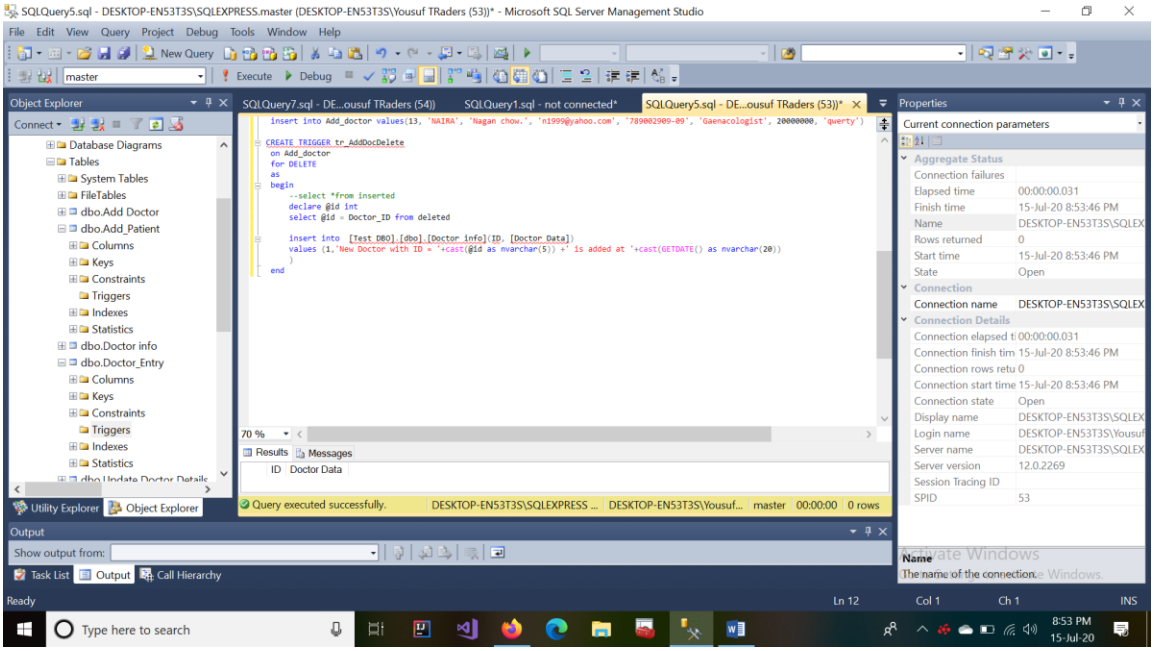


- Update

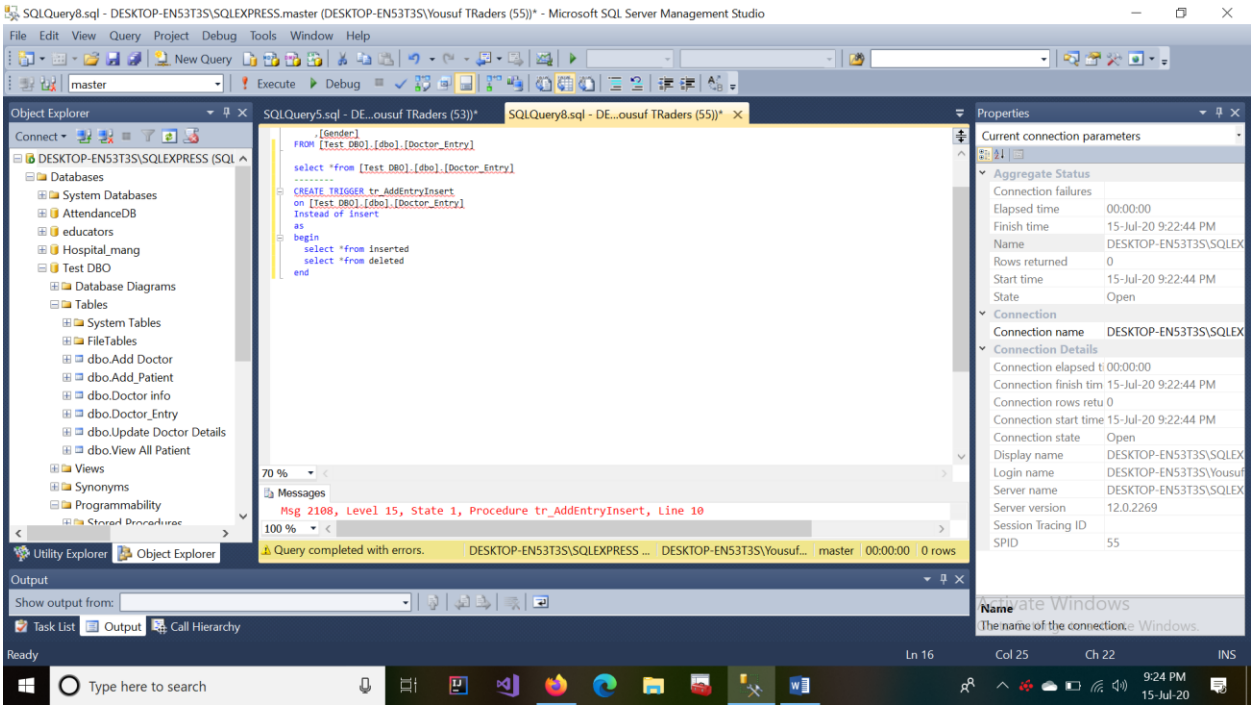


- Delete




SQLQuery5.sql - DESKTOP-EN53T3S\SQLEXPRESS.master (DESKTOP-EN53T3S\Yousuf TRaders (53))* - Microsoft SQL Server Management Studio
File Edit View Query Project Debug Tools Window Help
New Query
Execute
Debug
Object Explorer
Connect
Database Diagrams
Tables
System Tables
FileTables
dbo.Add Doctor
dbo.Add_Patient
Columns
Keys
Constraints
Triggers
Indexes
Statistics
dbo.Doctor info
dbo.Doctor_Entry
Columns
Keys
Constraints
Triggers
Indexes
Statistics
SQLQuery7.sql - DE...ousuf TRaders (54))
SQLQuery1.sql - not connected*
SQLQuery5.sql - DE...ousuf TRaders (53))*
insert into Add_doctor values(13, 'NAIRA', 'Nagan chow.', 'n1999@yahoo.com', '789002909-09', 'Gaenacologist', 20000000, 'qwerty')
CREATE TRIGGER tr_AddDocDelete
on Add_doctor
for DELETE
as
begin
--select *from inserted
declare @id int
select @id = Doctor_ID from deleted
insert into [Test DBO].[dbo].[Doctor info](ID, [Doctor Data])
values (1,'New Doctor with ID = '+cast(@id as nvarchar(5)) + ' is added at '+cast(GETDATE() as nvarchar(20))
)
end
70 %
Results
Messages
ID
Doctor Data
Query executed successfully.
DESKTOP-EN53T3S\SQLEXPRESS ...
DESKTOP-EN53T3S\Yousuf...
master
00:00:00
0 rows
Properties
Current connection parameters
Aggregate Status
Connection failures
Elapsed time 00:00:00.031
Finish time 15-Jul-20 8:53:46 PM
Name DESKTOP-EN53T3S\SQLEX
Rows returned 0
Start time 15-Jul-20 8:53:46 PM
State Open
Connection
Connection name DESKTOP-EN53T3S\SQLEX
Connection Details
Connection elapsed t 00:00:00.031
Connection finish tim 15-Jul-20 8:53:46 PM
Connection rows retu 0
Connection start time 15-Jul-20 8:53:46 PM
Connection state Open
Display name DESKTOP-EN53T3S\SQLEX
Login name DESKTOP-EN53T3S\Yousuf
Server name DESKTOP-EN53T3S\SQLEX
Server version 12.0.2269
Session Tracing ID
SPID 53
Name
The name of the connection.
Output
Show output from:
Task List
Output
Call Hierarchy
Ready
Ln 12
Col 1
Ch 1
INS
Type here to search
8:53 PM
15-Jul-20

- Instead of


SQLQuery8.sql - DESKTOP-EN53T3S\SQLEXPRESS.master (DESKTOP-EN53T3S\Yousuf TRaders (55))* - Microsoft SQL Server Management Studio
File Edit View Query Project Debug Tools Window Help
New Query
Execute
Debug
Object Explorer
Connect
DESKTOP-EN53T3S\SQLEXPRESS (SQL
Databases
System Databases
AttendanceDB
educators
Hospital_mang
Test DBO
Database Diagrams
Tables
System Tables
FileTables
dbo.Add Doctor
dbo.Add_Patient
dbo.Doctor info
dbo.Doctor_Entry
dbo.Update Doctor Details
dbo.View All Patient
Views
Synonyms
Programmability
SQLQuery5.sql - DE...ousuf TRaders (53))*
SQLQuery8.sql - DE...ousuf TRaders (55))*
[Gender]
FROM [Test DBO].[dbo].[Doctor_Entry]
select *from [Test DBO].[dbo].[Doctor_Entry]

CREATE TRIGGER tr_AddEntryInsert
on [Test DBO].[dbo].[Doctor_Entry]
Instead of insert
as
begin
select *from inserted
select *from deleted
end
70 %
Messages
Msg 2108, Level 15, State 1, Procedure tr_AddEntryInsert, Line 10
100 %
Query completed with errors.
DESKTOP-EN53T3S\SQLEXPRESS ...
DESKTOP-EN53T3S\Yousuf...
master
00:00:00
0 rows
Properties
Current connection parameters
Aggregate Status
Connection failures
Elapsed time 00:00:00
Finish time 15-Jul-20 9:22:44 PM
Name DESKTOP-EN53T3S\SQLEX
Rows returned 0
Start time 15-Jul-20 9:22:44 PM
State Open
Connection
Connection name DESKTOP-EN53T3S\SQLEX
Connection Details
Connection elapsed t 00:00:00
Connection finish tim 15-Jul-20 9:22:44 PM
Connection rows retu 0
Connection start time 15-Jul-20 9:22:44 PM
Connection state Open
Display name DESKTOP-EN53T3S\SQLEX
Login name DESKTOP-EN53T3S\Yousuf
Server name DESKTOP-EN53T3S\SQLEX
Server version 12.0.2269
Session Tracing ID
SPID 55
Name
The name of the connection.
Output
Show output from:
Task List
Output
Call Hierarchy
Ready
Ln 16
Col 25
Ch 22
INS
Type here to search
9:24 PM
15-Jul-20