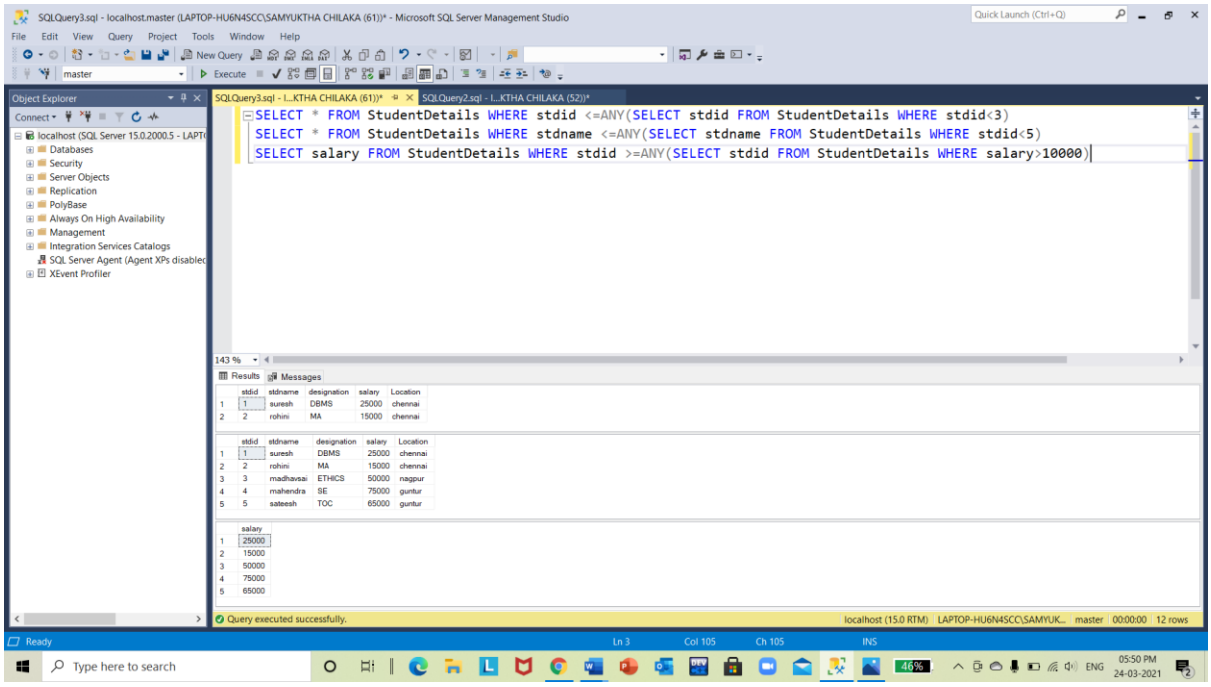
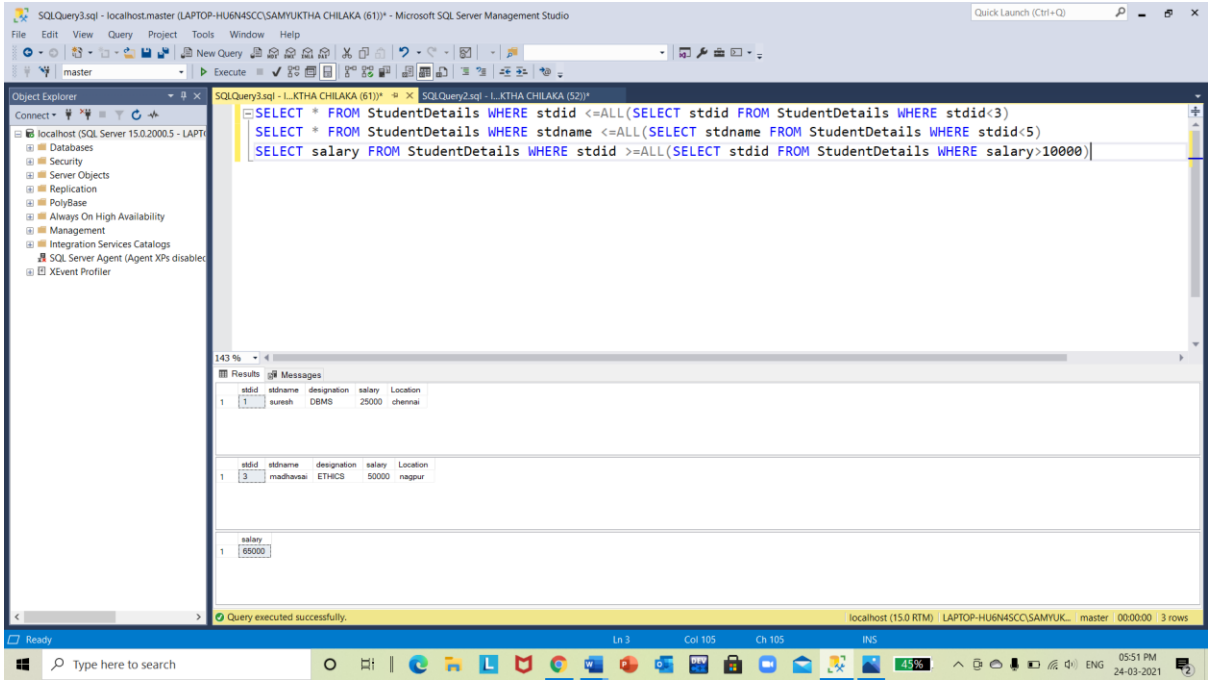
DBMS LAB ASSIGNMENT

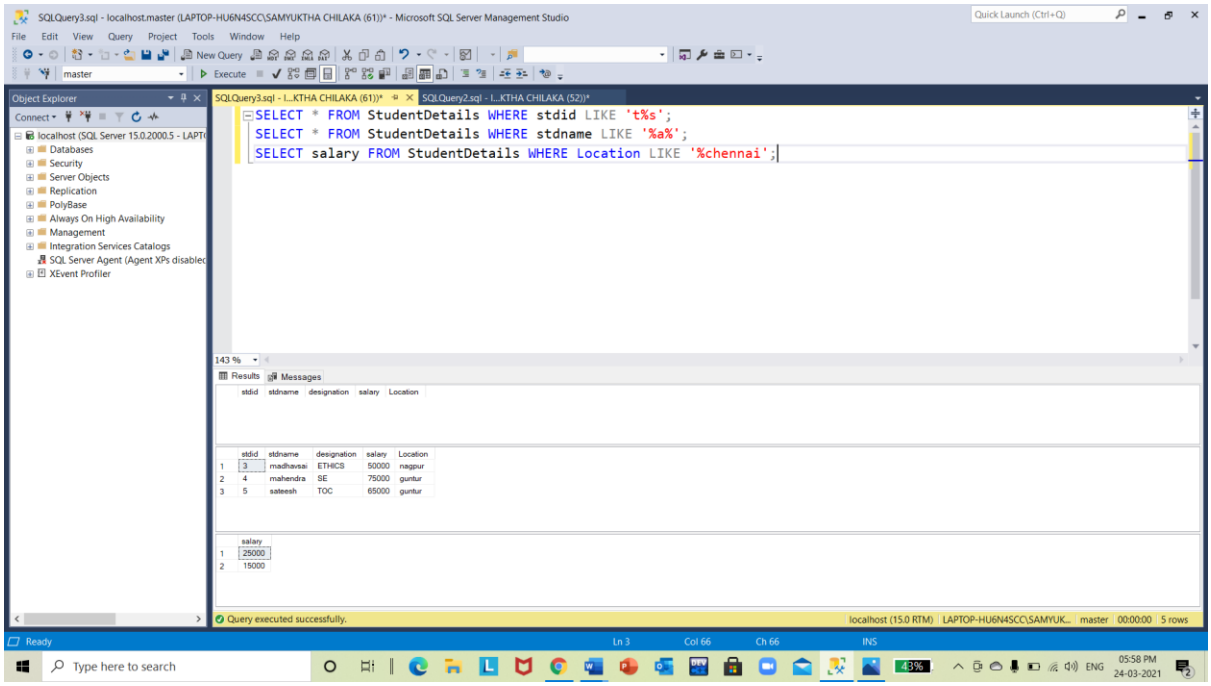
CH. SAMYUKTHA

19BCS030

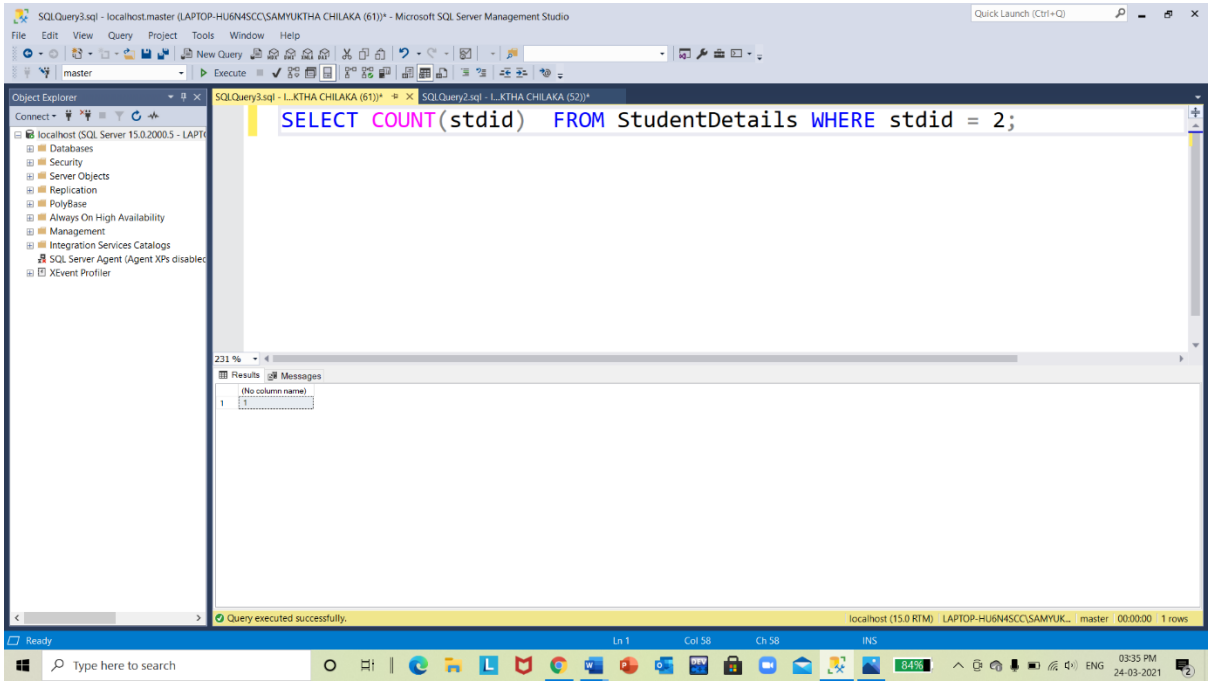
1) Illustrate logical ANY, ALL and LIKE operator- the queries should be relevant to your respective databases 3 queries for each operator. One query explaining the difference between ANY and ALL

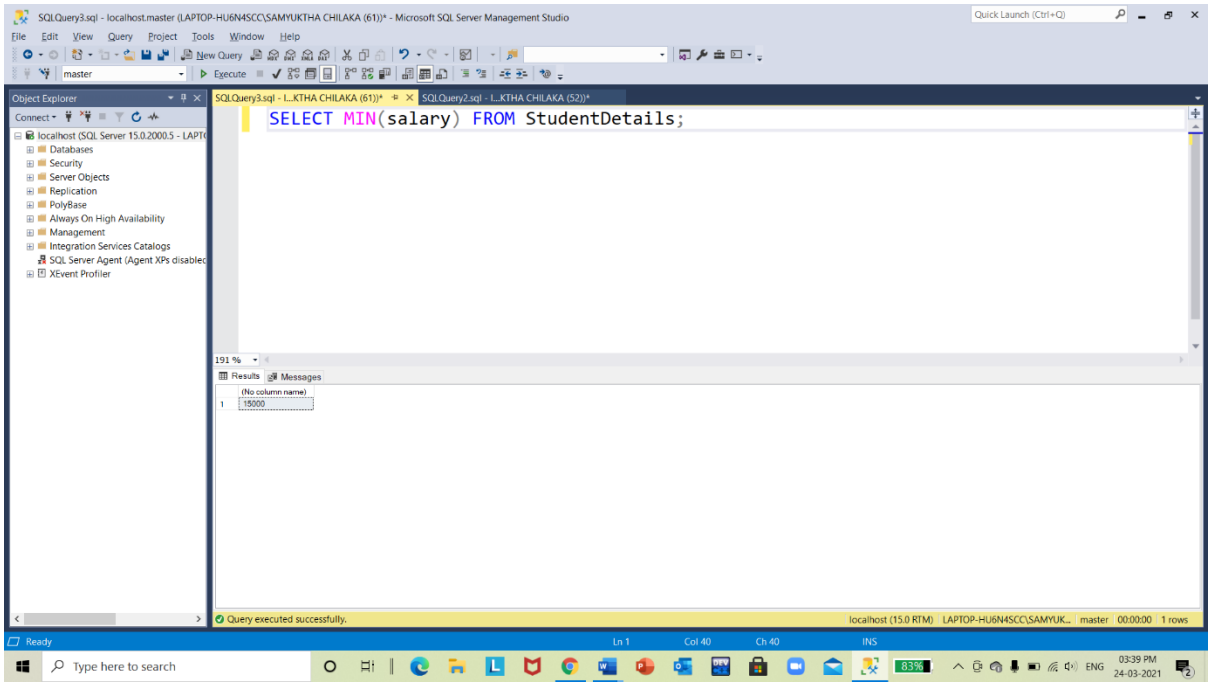


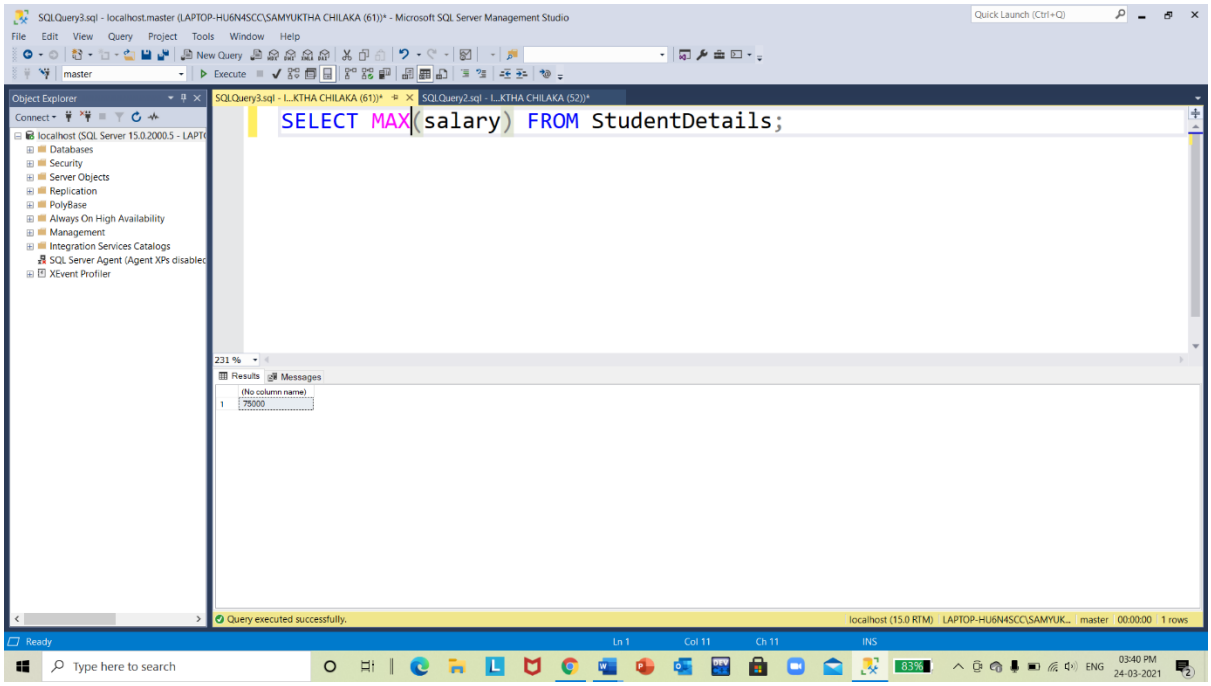


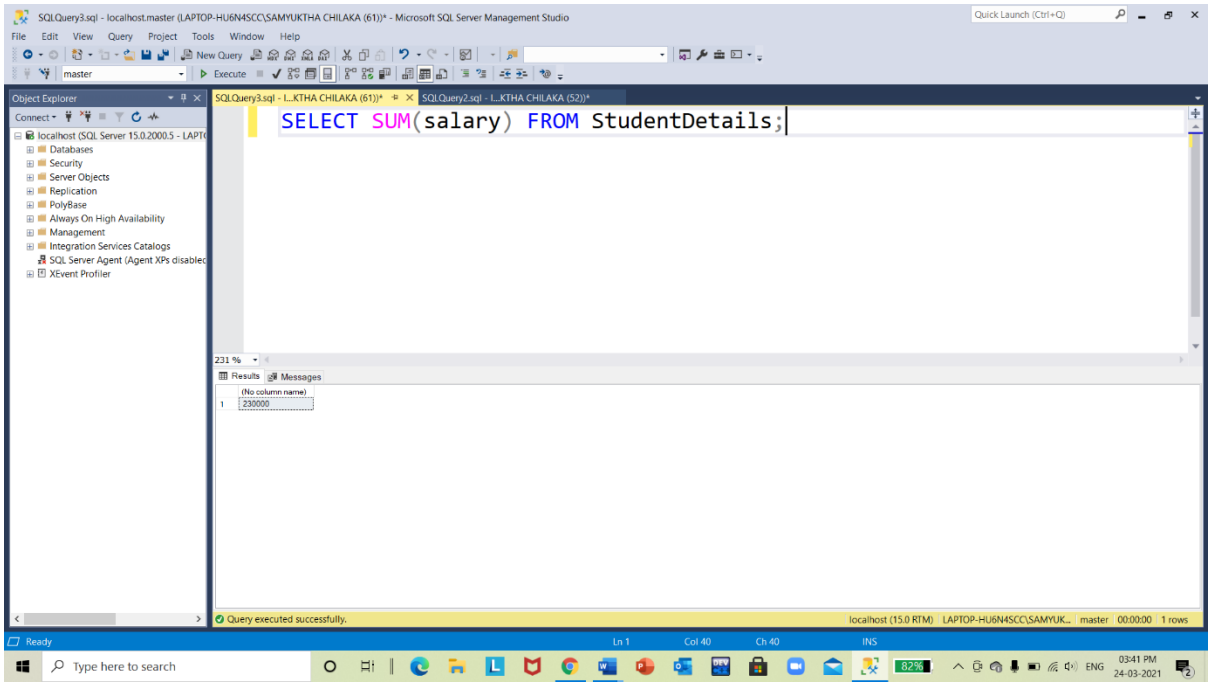


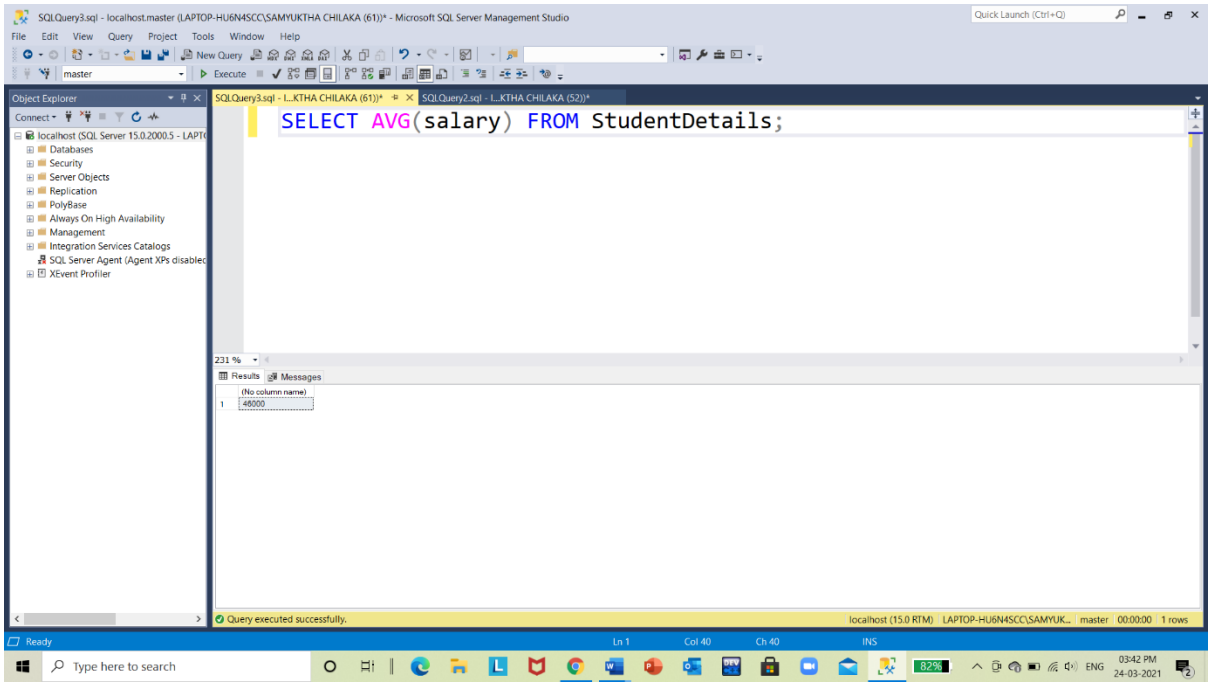
2) One query for each Aggregate function.



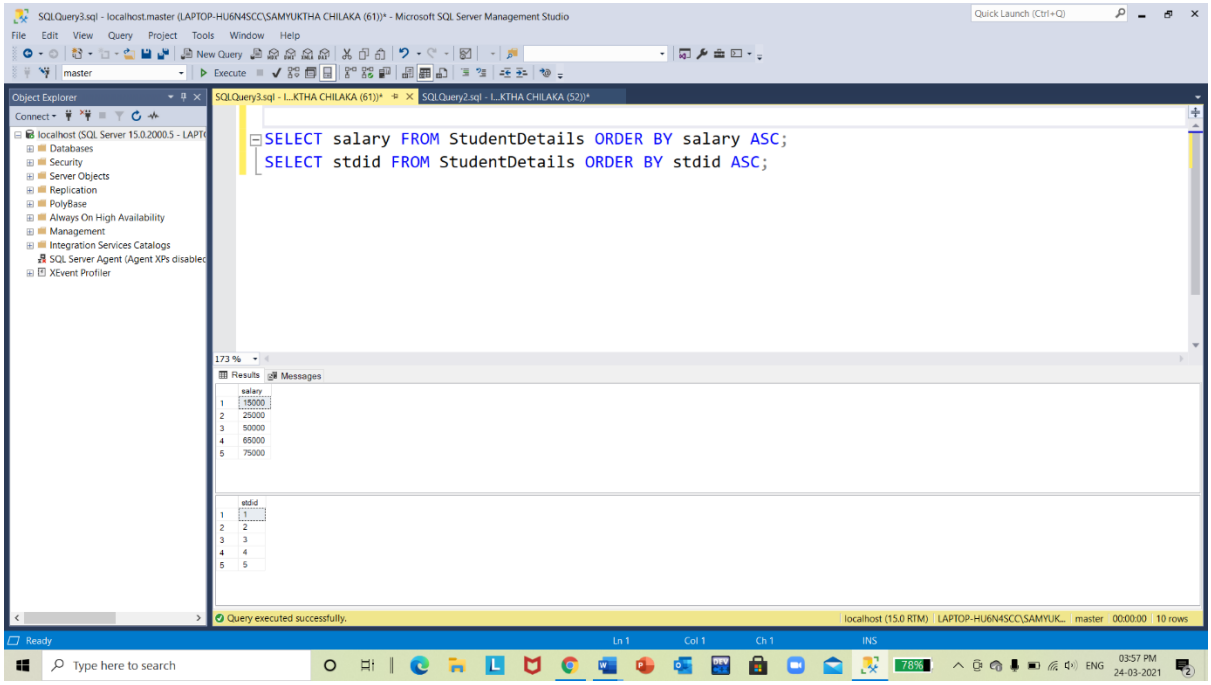

SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
SELECT MIN(salary) FROM StudentDetails;
191 %
Results
Messages
(No column name)
1
15000
Query executed successfully.
localhost (15.0 RTM)
LAPTOP-HU6N4SCC\SAMYUK...
master
00:00:00
1 rows
Ready
Ln 1
Col 40
Ch 40
INS
Type here to search
ENG
03:39 PM
24-03-2021

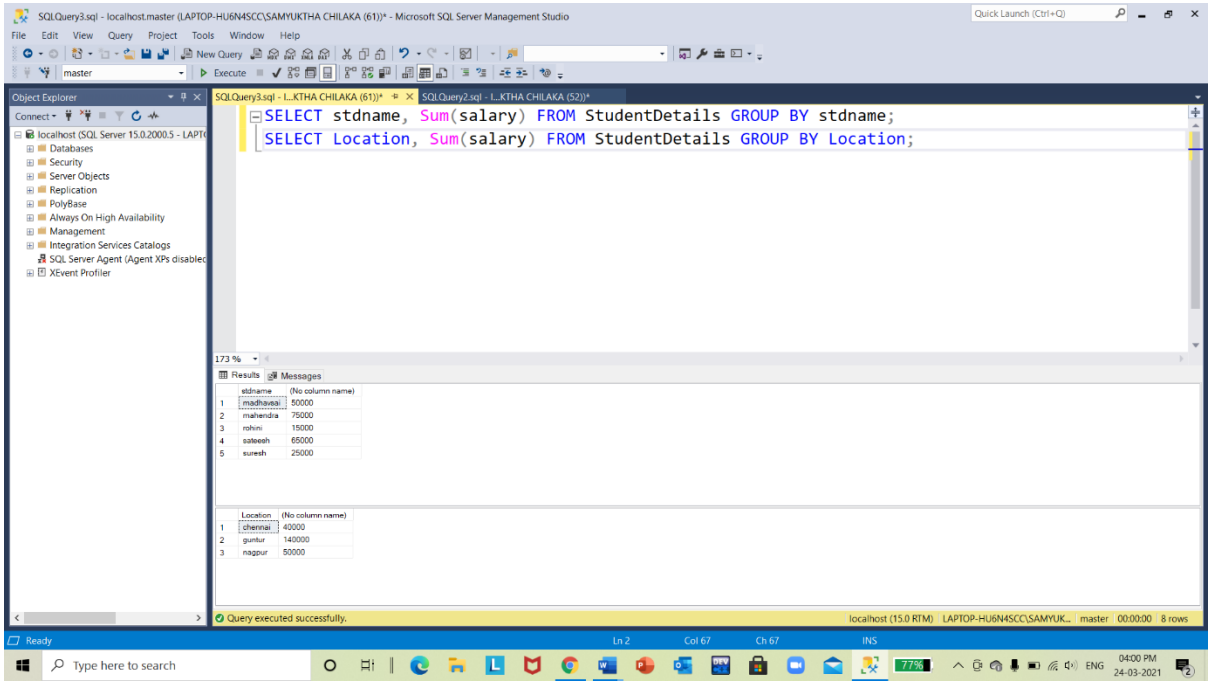

SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
SELECT MAX(salary) FROM StudentDetails;
231 %
Results
Messages
(No column name)
1
75000
Query executed successfully.
localhost (15.0 RTM)
LAPTOP-HU6N4SCC\SAMYUK...
master
00:00:00
1 rows
Ready
Ln 1
Col 11
Ch 11
INS
Type here to search
ENG
03:40 PM
24-03-2021

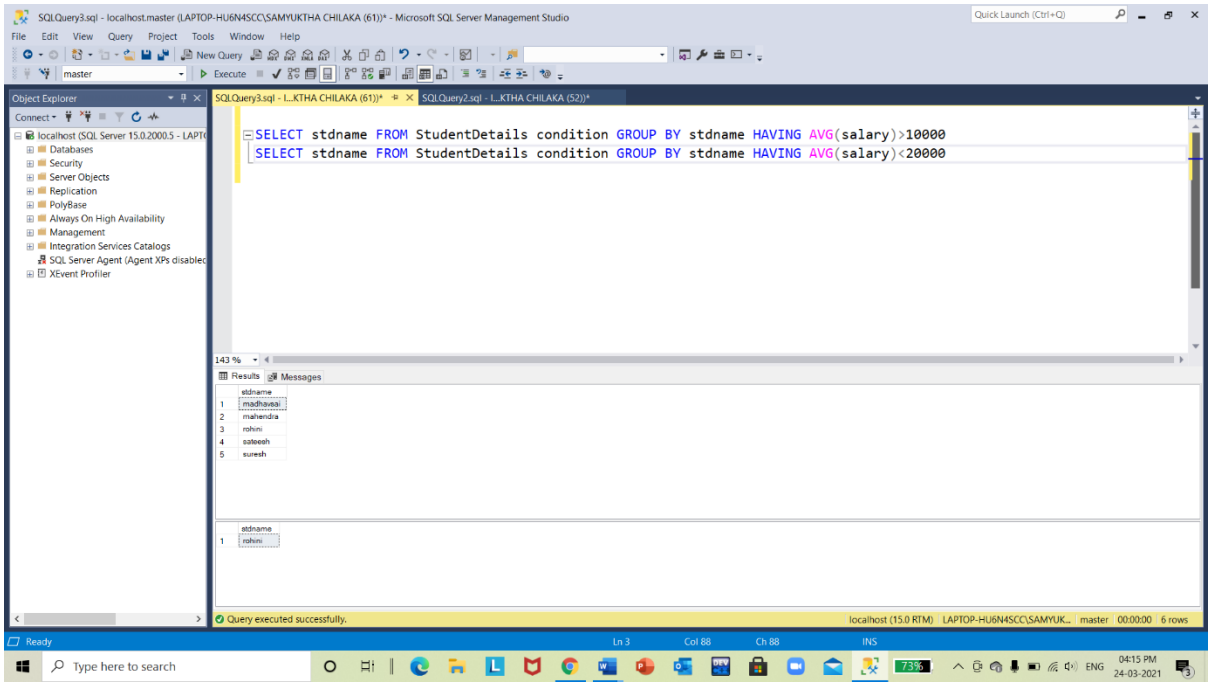

SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
SELECT SUM(salary) FROM StudentDetails;
231 %
Results
Messages
(No column name)
1
230000
Query executed successfully.
localhost (15.0 RTM)
LAPTOP-HU6N4SCC\SAMYUK...
master
00:00:00
1 rows
Ready
Ln 1
Col 40
Ch 40
INS
Type here to search
82%
ENG
03:41 PM
24-03-2021


SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
SELECT AVG(salary) FROM StudentDetails;
231 %
Results
Messages
(No column name)
1
46000
Query executed successfully.
localhost (15.0 RTM)
LAPTOP-HU6N4SCC\SAMYUK...
master
00:00:00
1 rows
Ready
Ln 1
Col 40
Ch 40
INS
Type here to search
82%
ENG
03:42 PM
24-03-2021

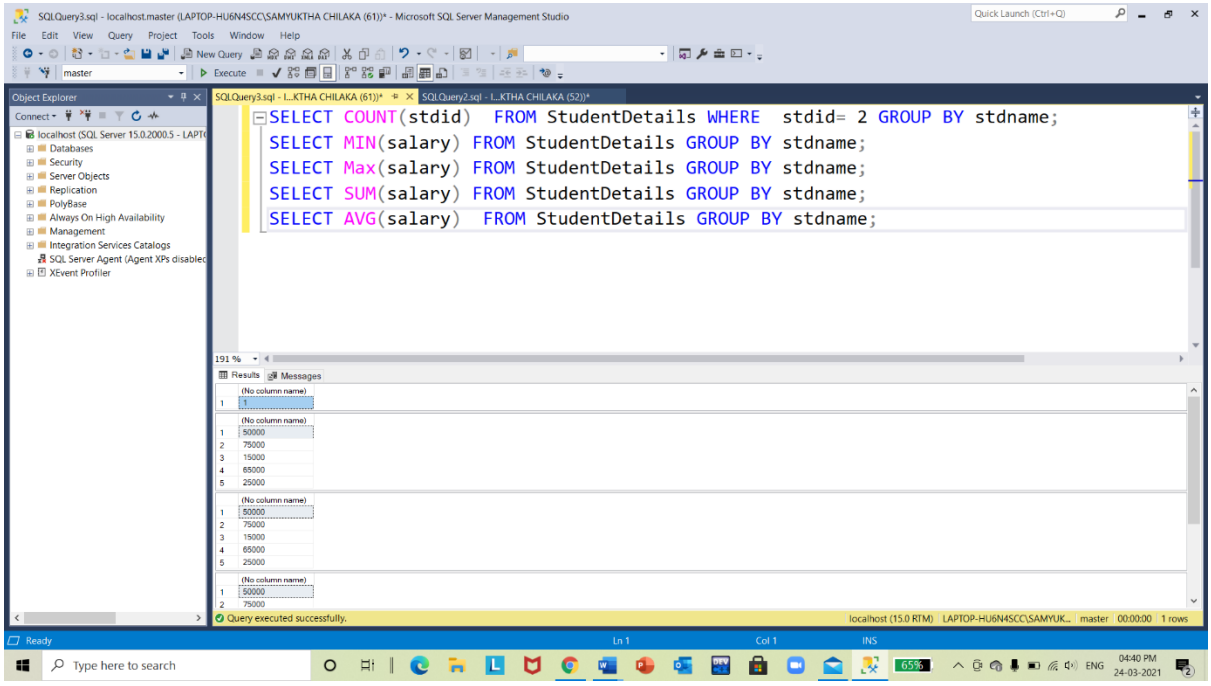
3) Illustrate the usage of order by, group by and having clause (2 queries for each case).

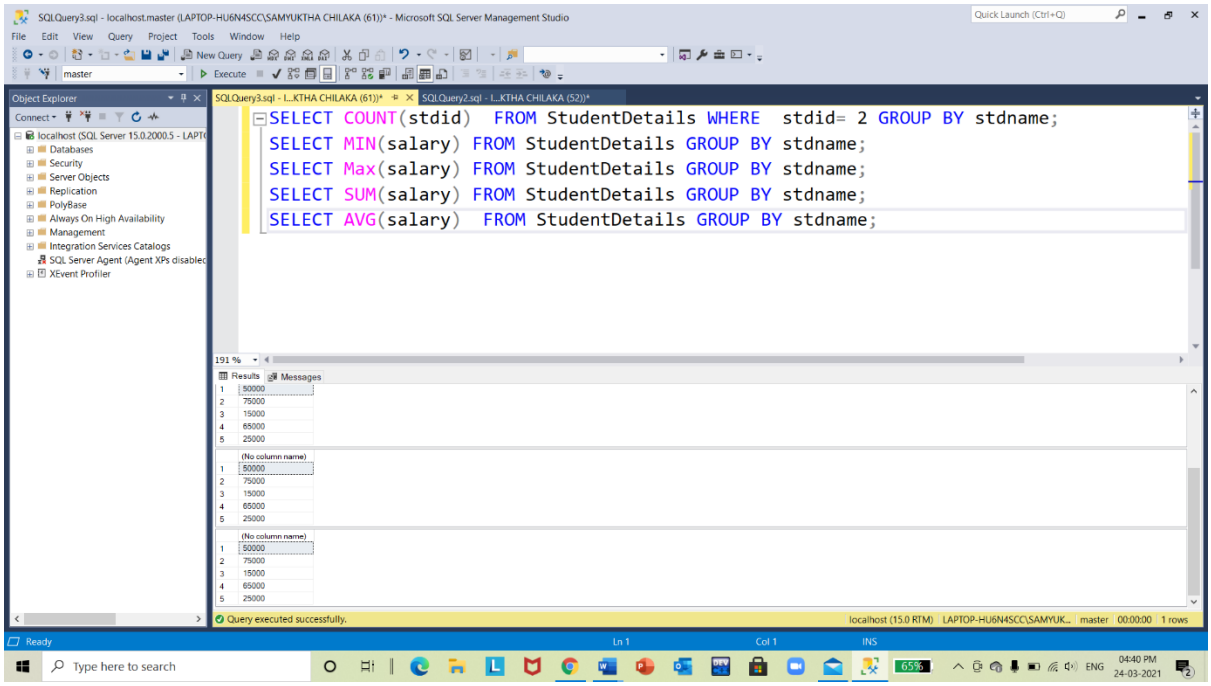


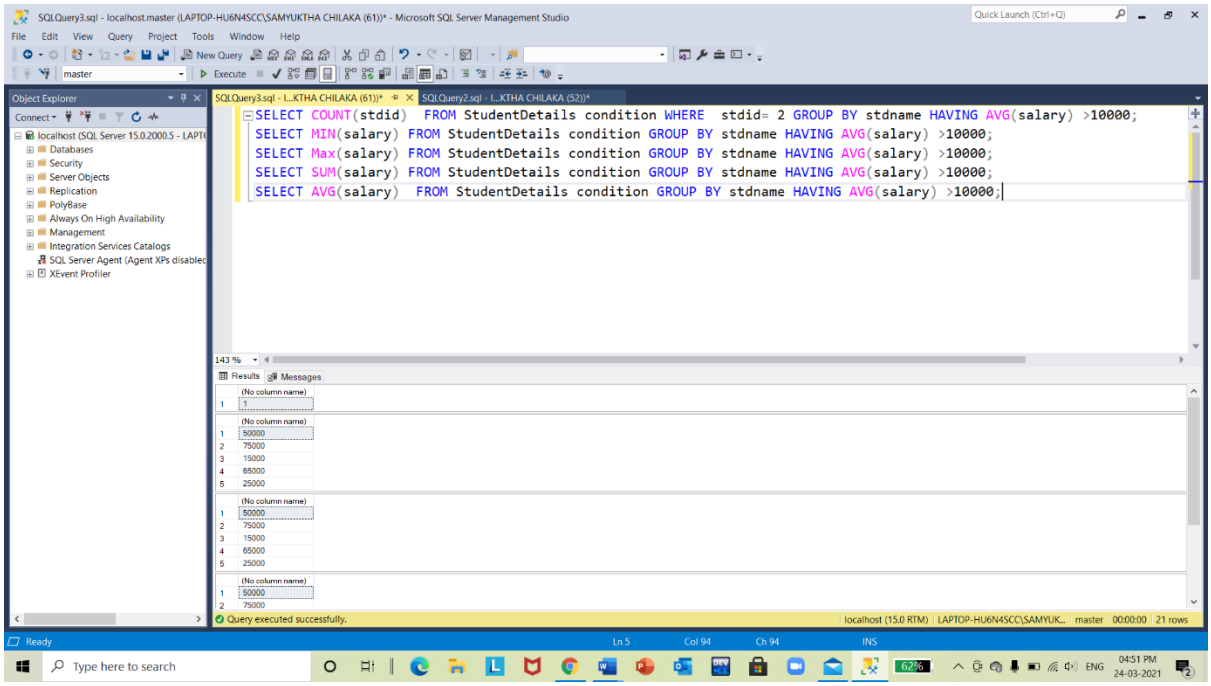


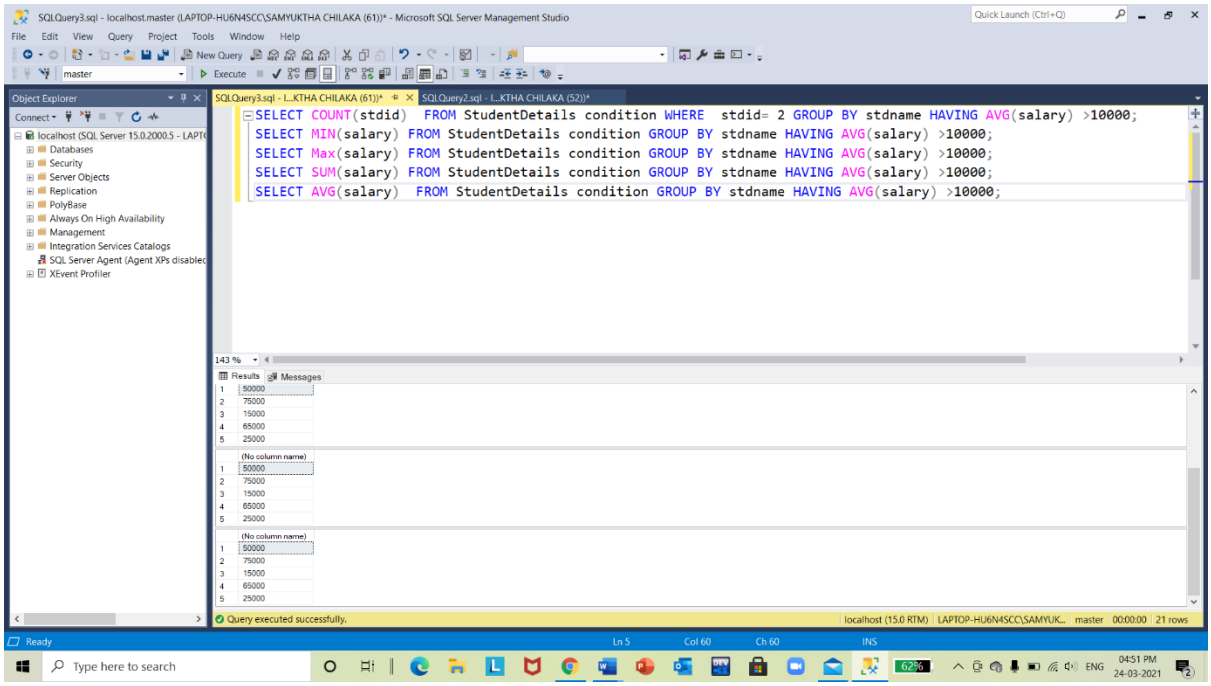


4) Use Aggregate function with group by and having.

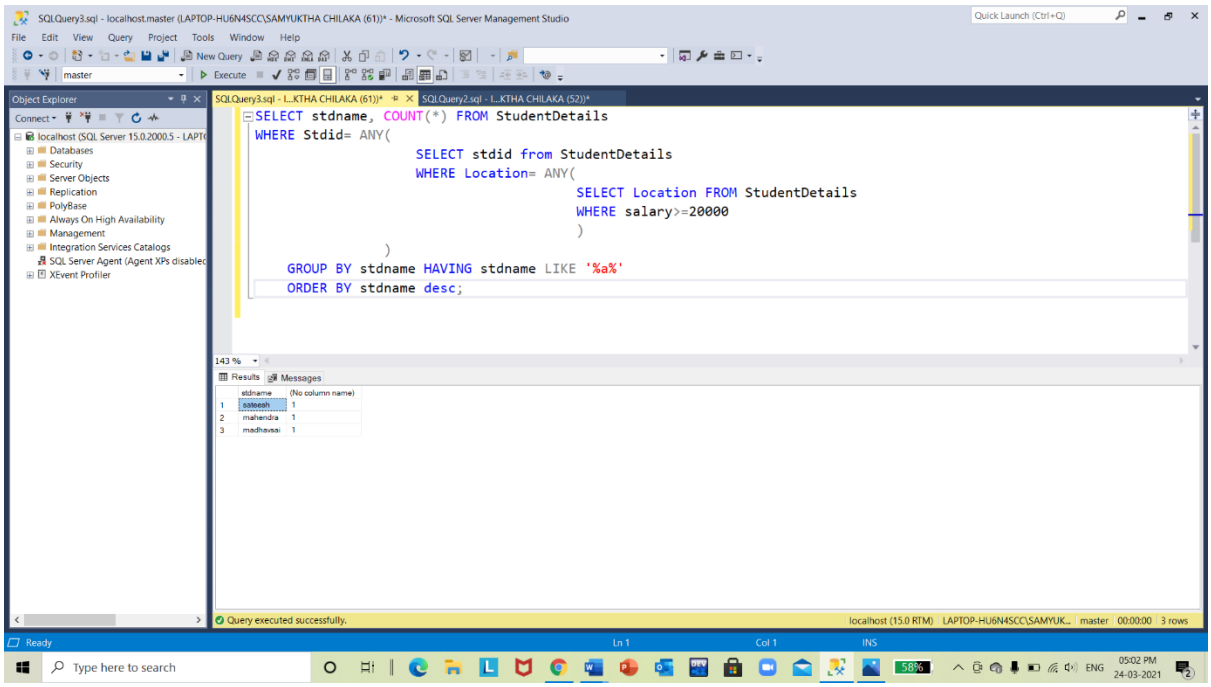



SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
SELECT COUNT(stdid) FROM StudentDetails WHERE stdid= 2 GROUP BY stdname;
SELECT MIN(salary) FROM StudentDetails GROUP BY stdname;
SELECT Max(salary) FROM StudentDetails GROUP BY stdname;
SELECT SUM(salary) FROM StudentDetails GROUP BY stdname;
SELECT AVG(salary) FROM StudentDetails GROUP BY stdname;
Query executed successfully.

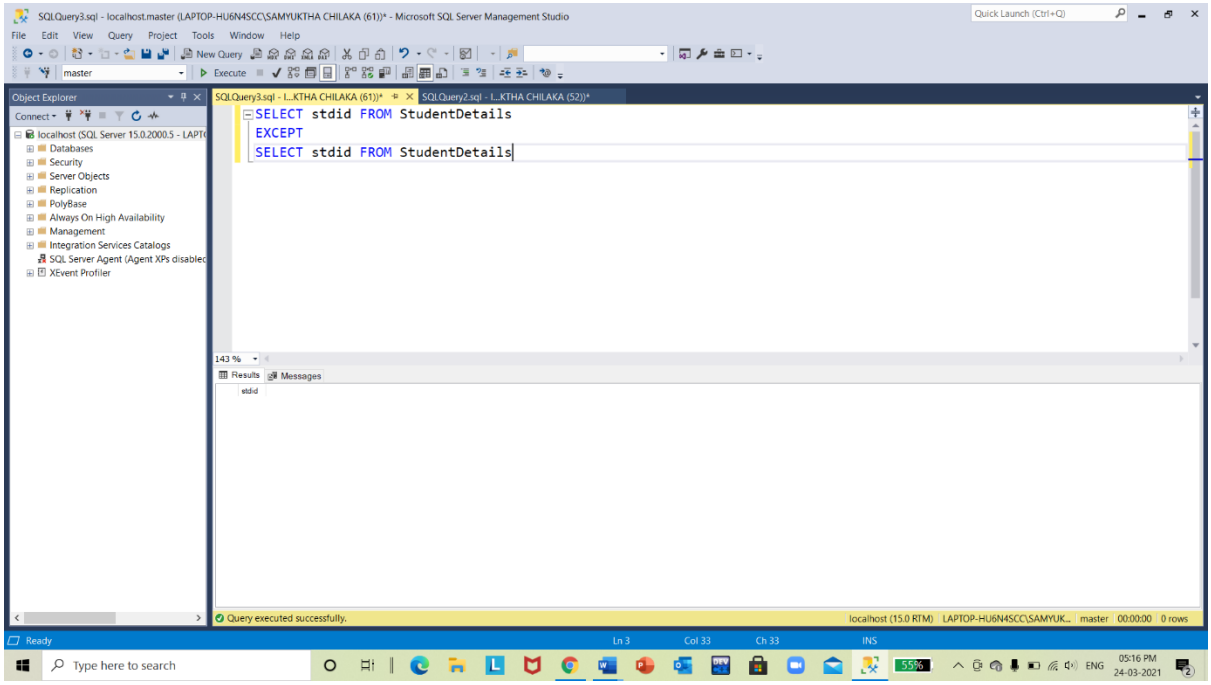

SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
SELECT COUNT(stdid) FROM StudentDetails condition WHERE stdid= 2 GROUP BY stdname HAVING AVG(salary) >10000;
SELECT MIN(salary) FROM StudentDetails condition GROUP BY stdname HAVING AVG(salary) >10000;
SELECT Max(salary) FROM StudentDetails condition GROUP BY stdname HAVING AVG(salary) >10000;
SELECT SUM(salary) FROM StudentDetails condition GROUP BY stdname HAVING AVG(salary) >10000;
SELECT AVG(salary) FROM StudentDetails condition GROUP BY stdname HAVING AVG(salary) >10000;
Query executed successfully.

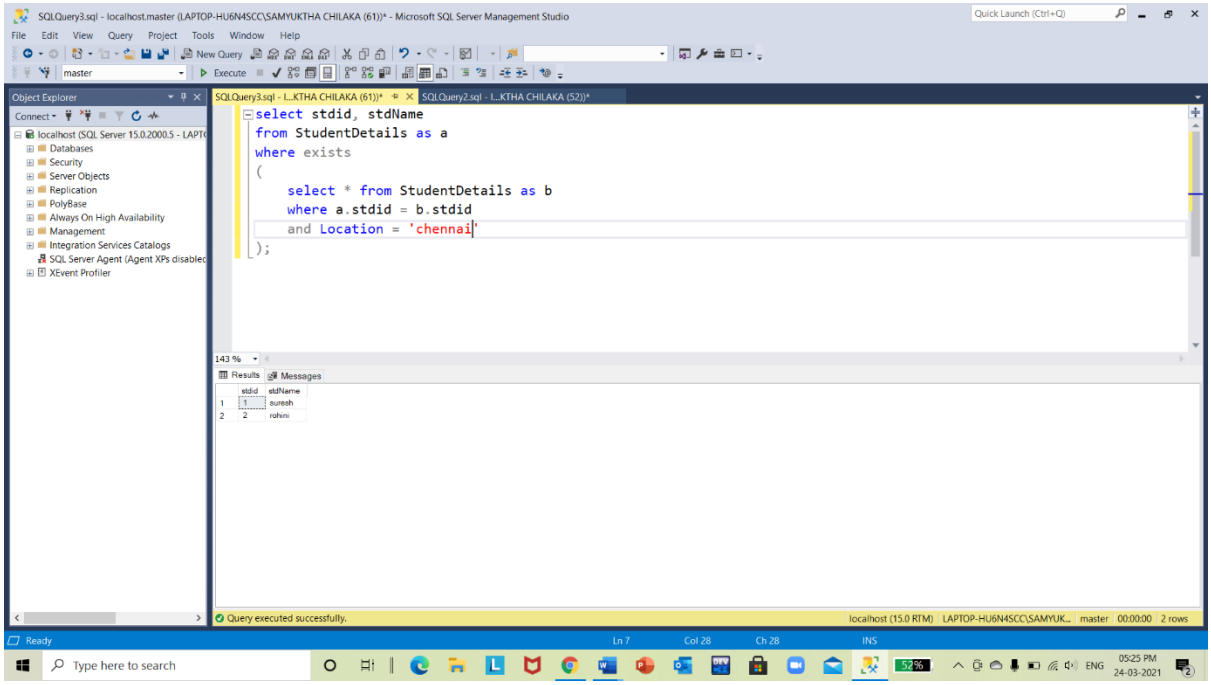


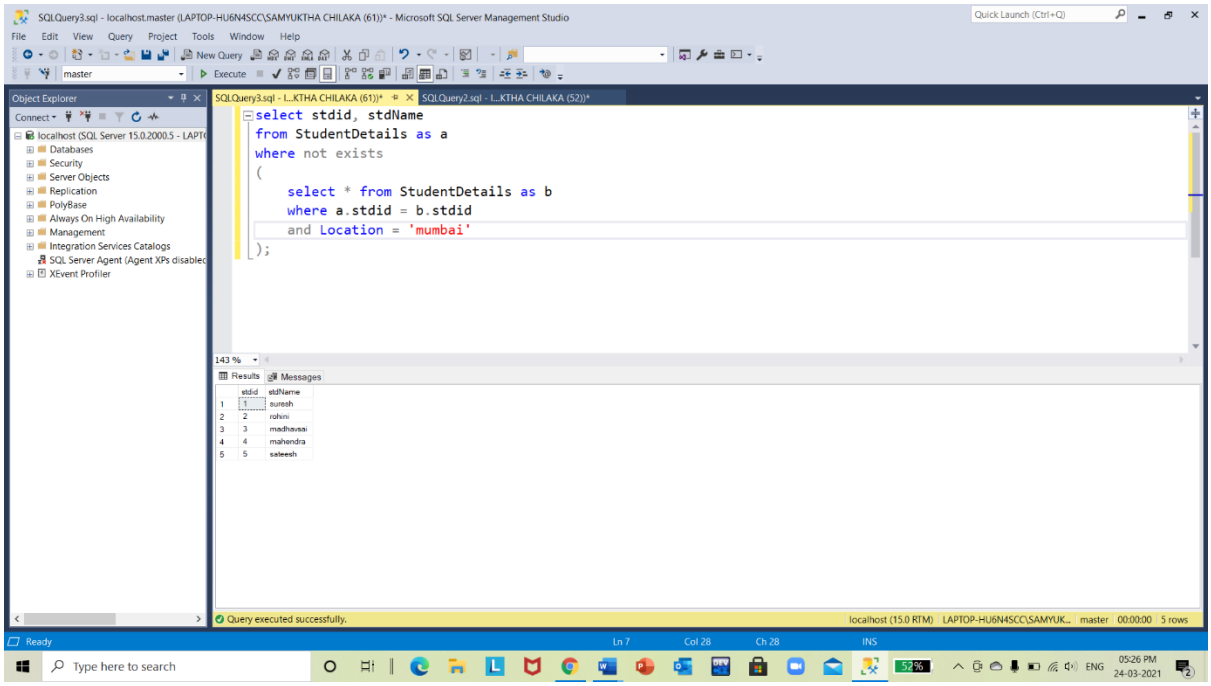
5) Write at least 3 nested queries using order by, group by and having clause.

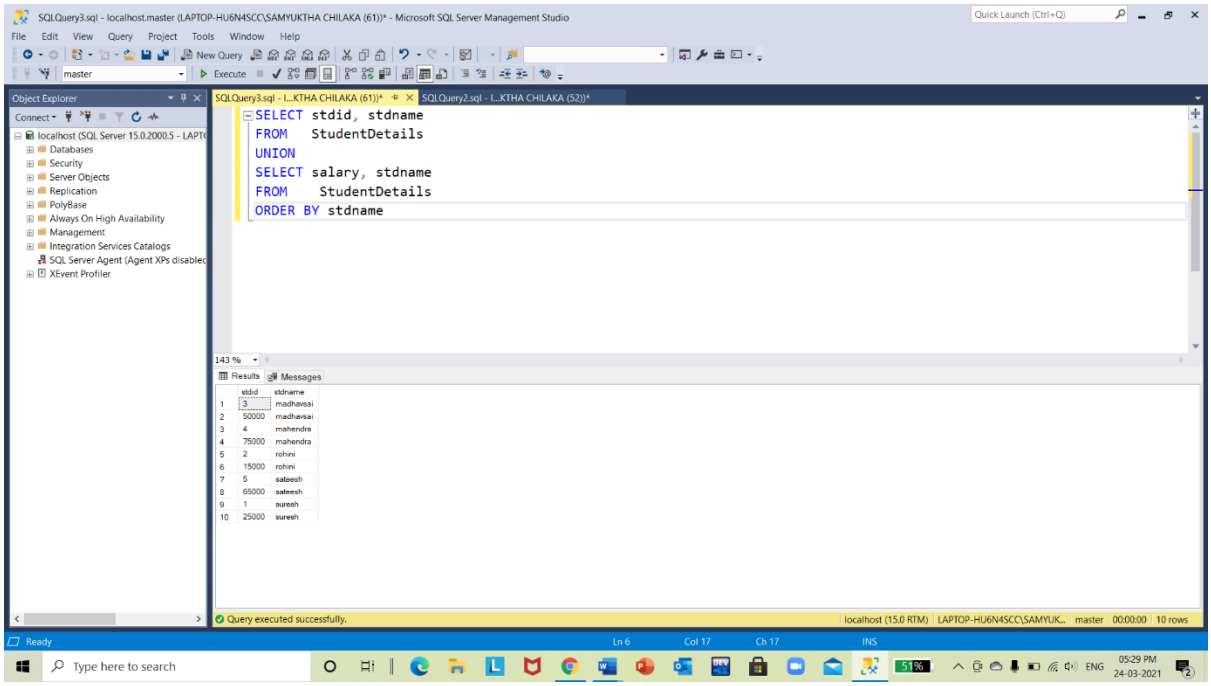


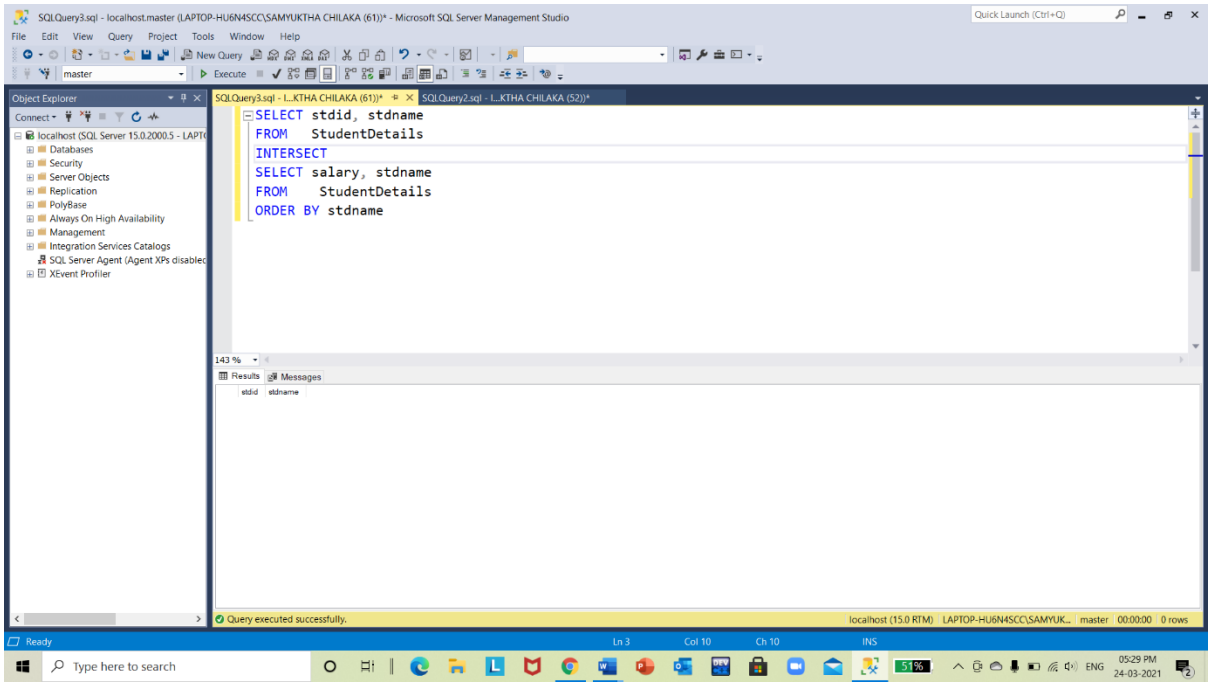
6) Illustrate the Usage of Except, Exists, Not Exists, Union, Intersection.






SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
select stdid, stdName
from StudentDetails as a
where not exists
(
select * from StudentDetails as b
where a.stdid = b.stdid
and Location = 'mumbai'
);
143 %
Results
Messages
stdid stdName
1 1 suresh
2 2 rohini
3 3 madhavsai
4 4 mahendra
5 5 sateesh
Query executed successfully.
localhost (15.0 RTM) LAPTOP-HU6N4SCC\SAMYUK... master 00:00:00 5 rows
Ready
Ln 7 Col 28 Ch 28 INS
Type here to search
52%
ENG
05:26 PM
24-03-2021


SQLQuery3.sql - localhost.master (LAPTOP-HU6N4SCC\SAMYUKTHA CHILAKA (61))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
localhost (SQL Server 15.0.2000.5 - LAPT
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
SQLQuery3.sql - l...KTHA CHILAKA (61))*
SQLQuery2.sql - l...KTHA CHILAKA (52))*
SELECT stdid, stdname
FROM StudentDetails
UNION
SELECT salary, stdname
FROM StudentDetails
ORDER BY stdname
143 %
Results
Messages
stdid stdname
1 3 madhavsai
2 50000 madhavsai
3 4 mahendra
4 75000 mahendra
5 2 rohini
6 15000 rohini
7 5 sateesh
8 65000 sateesh
9 1 suresh
10 25000 suresh
Query executed successfully.
localhost (15.0 RTM) LAPTOP-HU6N4SCC\SAMYUK... master 00:00:00 10 rows
Ready
Ln 6 Col 17 Ch 17 INS
Type here to search
51%
ENG
05:29 PM
24-03-2021



7) INNER JOIN, LEFT OUTER JOIN, RIGHT OUTER JOIN- 3 queries for each instance