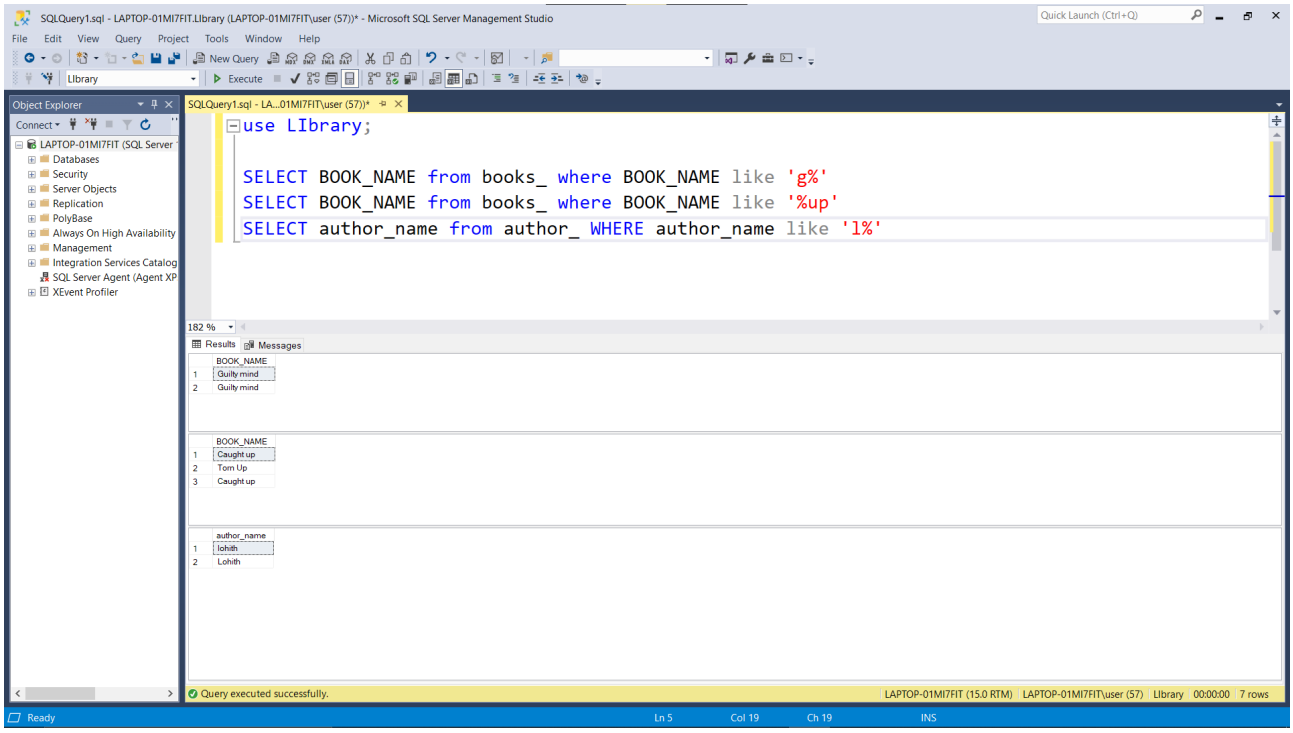
GROUP – 7

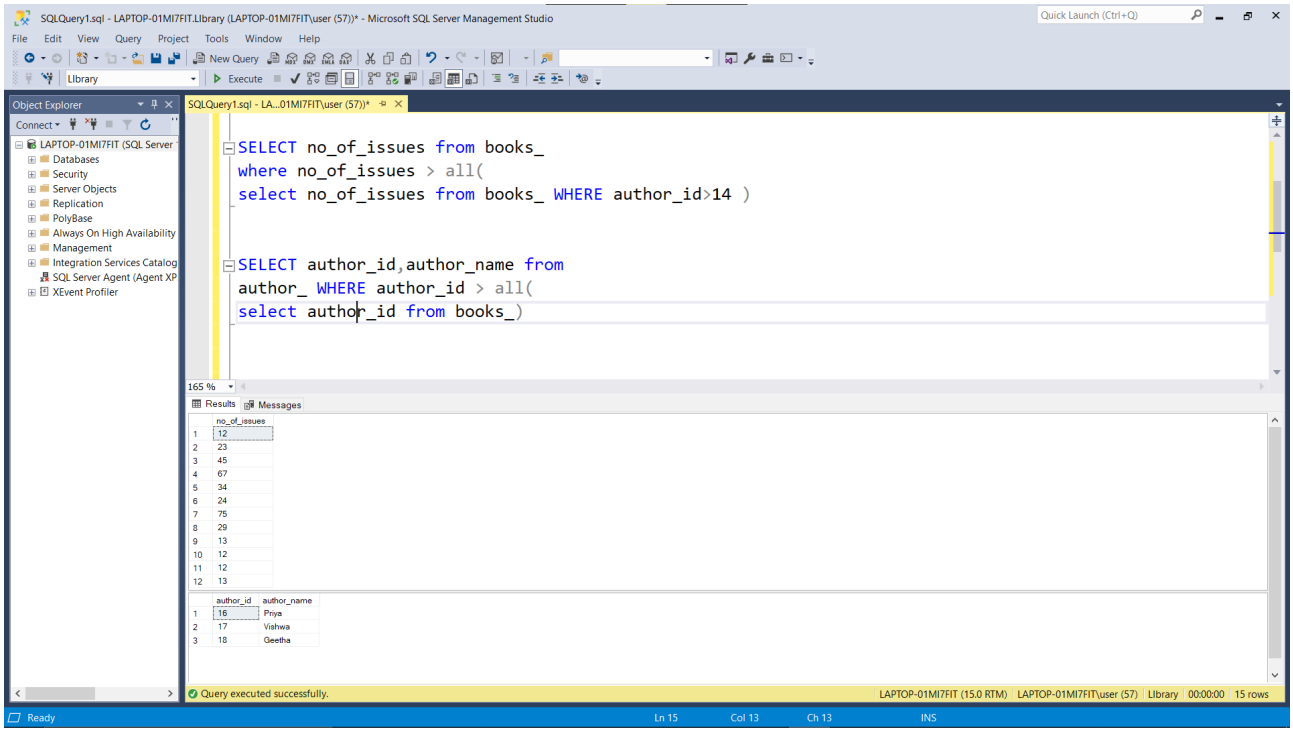
1)Illustrate logical ANY, ALL and LIKE operator- the queries should be relevant to your respective databases 3 queries for each operator. One query explaining the difference between ANY and ALL

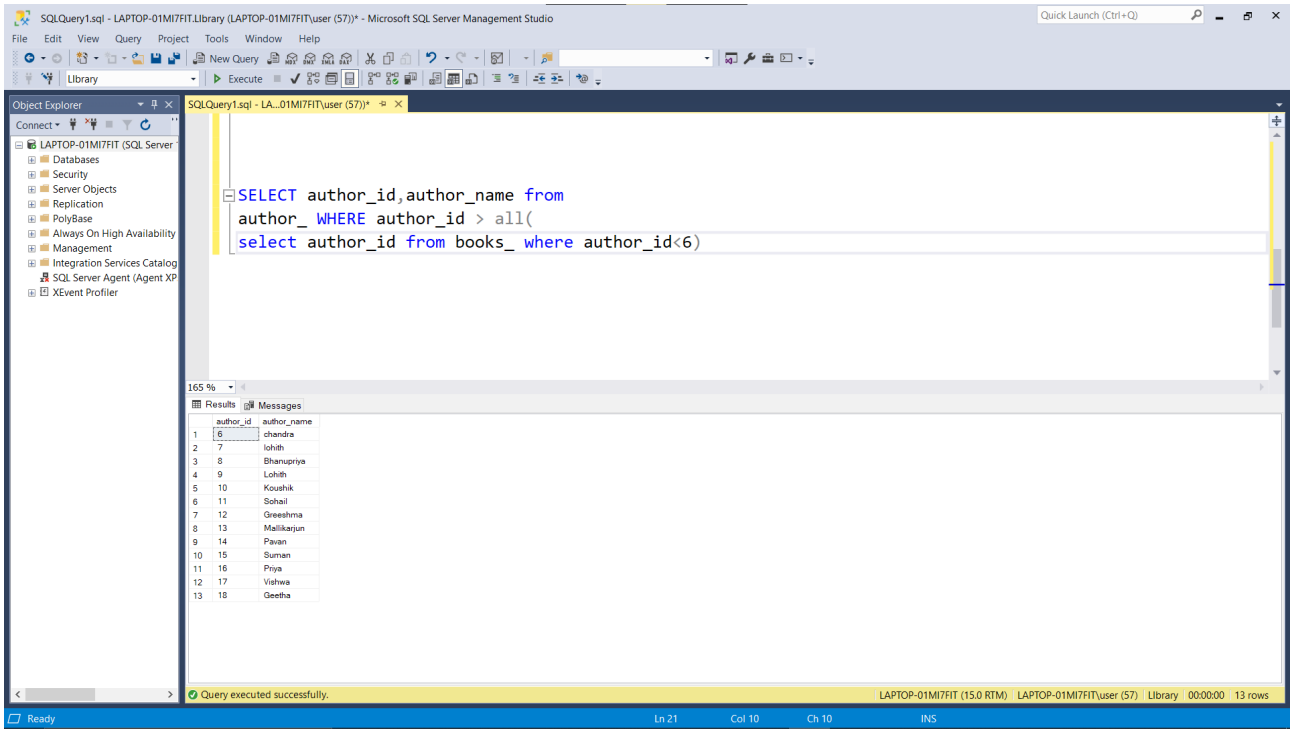
i) LIKE :-



~

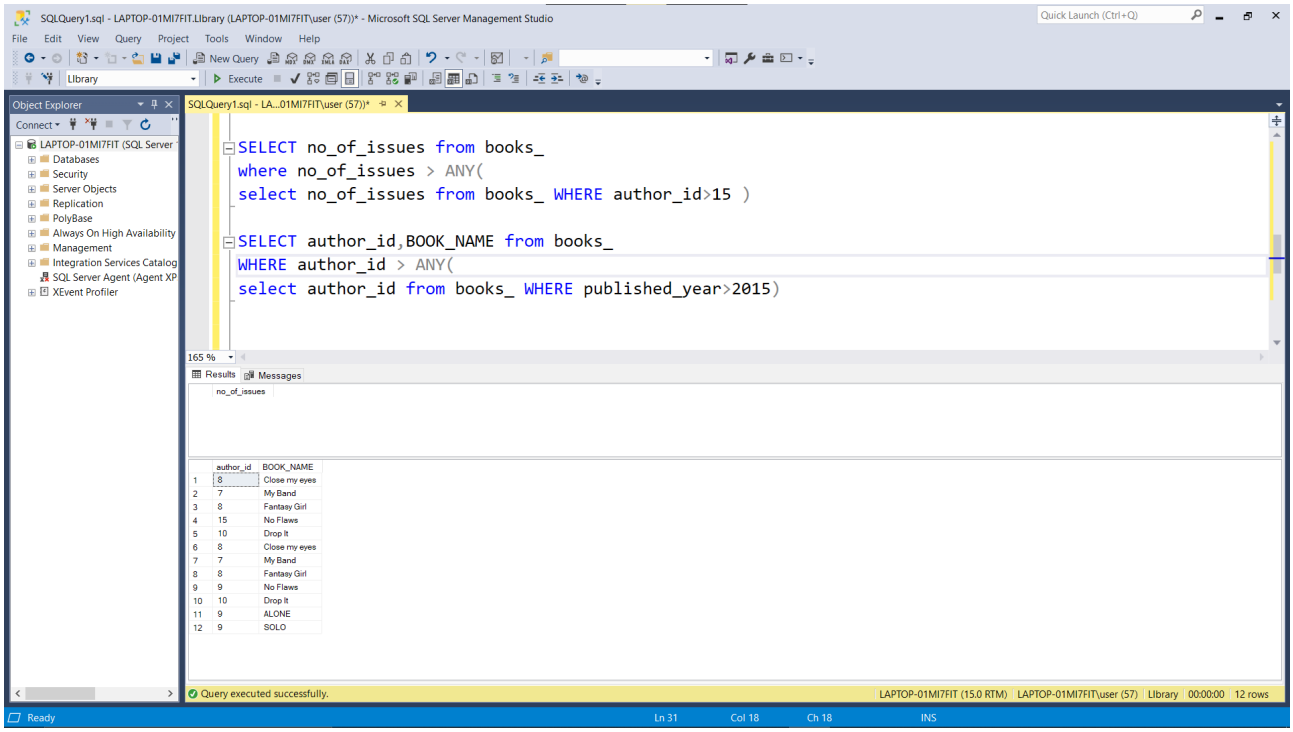
ii) ALL :-



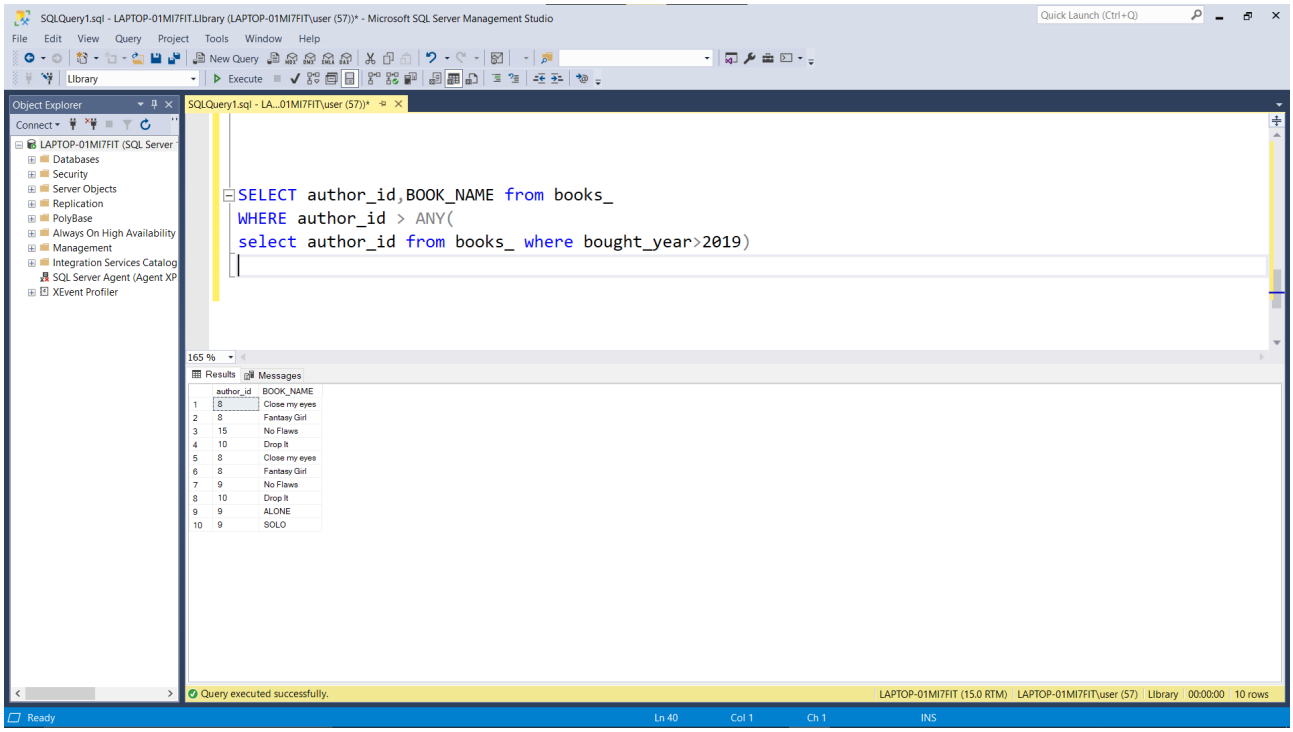

SQLQuery1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (57))* - Microsoft SQL Server Management Studio
SELECT author_id,author_name from
author_ WHERE author_id > all(
select author_id from books_ where author_id<6)
Results
Messages
author_id author_name
1 6 chandra
2 7 lohith
3 8 Bhanupriya
4 9 Lohith
5 10 Koushik
6 11 Sohail
7 12 Greeshma
8 13 Mallikarjun
9 14 Pavan
10 15 Suman
11 16 Priya
12 17 Vishwa
13 18 Geetha
Query executed successfully.
Ready

~

iii) ANY :-

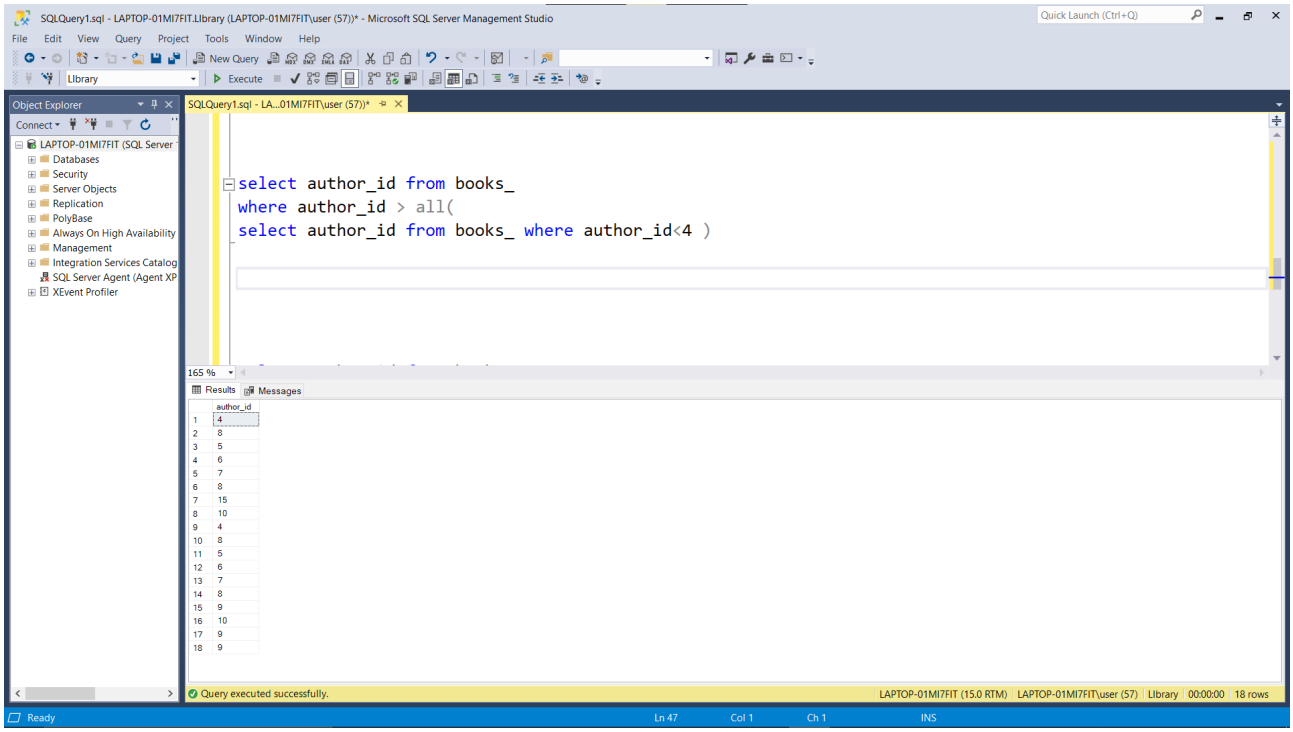

SQLQuery1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (57))* - Microsoft SQL Server Management Studio
SELECT no_of_issues from books_
where no_of_issues > ANY(
select no_of_issues from books_ WHERE author_id>15)
SELECT author_id,BOOK_NAME from books_
WHERE author_id > ANY(
select author_id from books_ WHERE published_year>2015)
Results
Messages
no_of_issues
author_id BOOK_NAME
1 8 Close my eyes
2 7 My Band
3 8 Fantasy Girl
4 15 No Flaws
5 10 Drop It
6 8 Close my eyes
7 7 My Band
8 8 Fantasy Girl
9 9 No Flaws
10 10 Drop It
11 9 ALONE
12 9 SOLO
Query executed successfully.
Ready

~

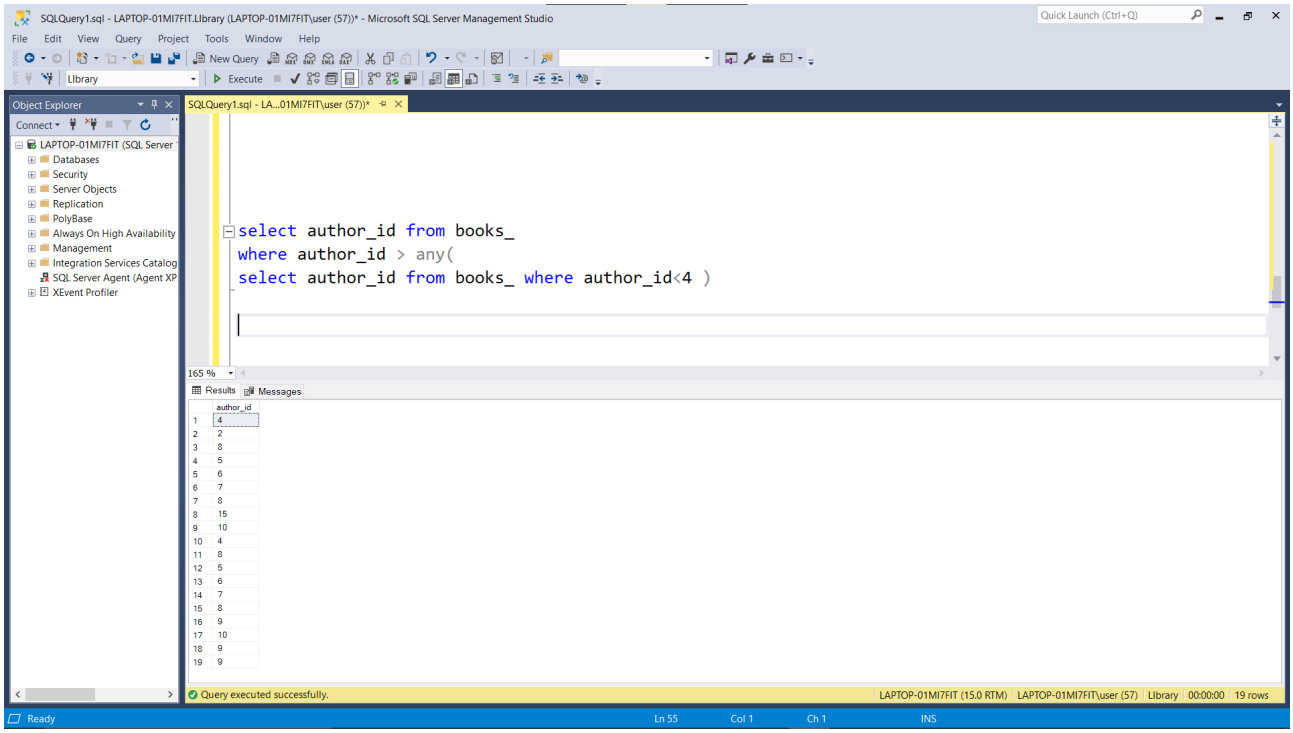


~

iv) ANY and ALL comparison :-

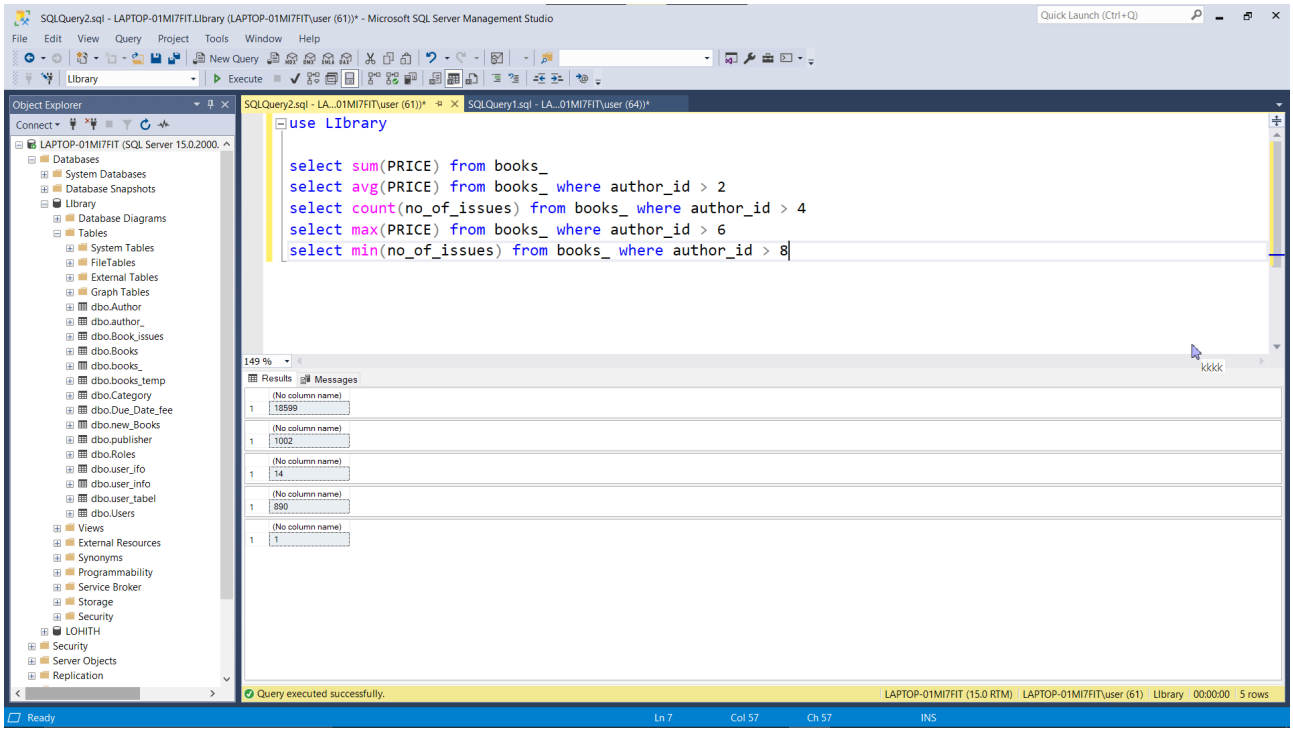


~



~

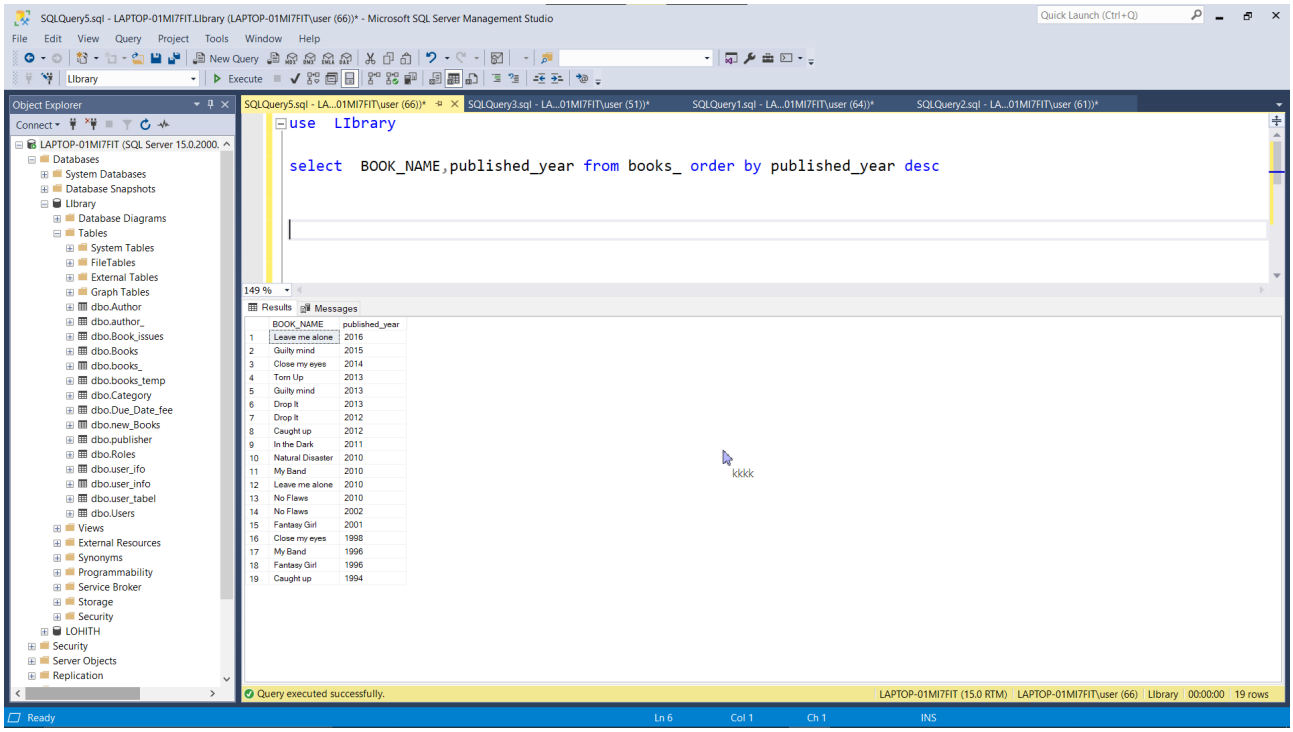
2). One query for each Aggregate function.



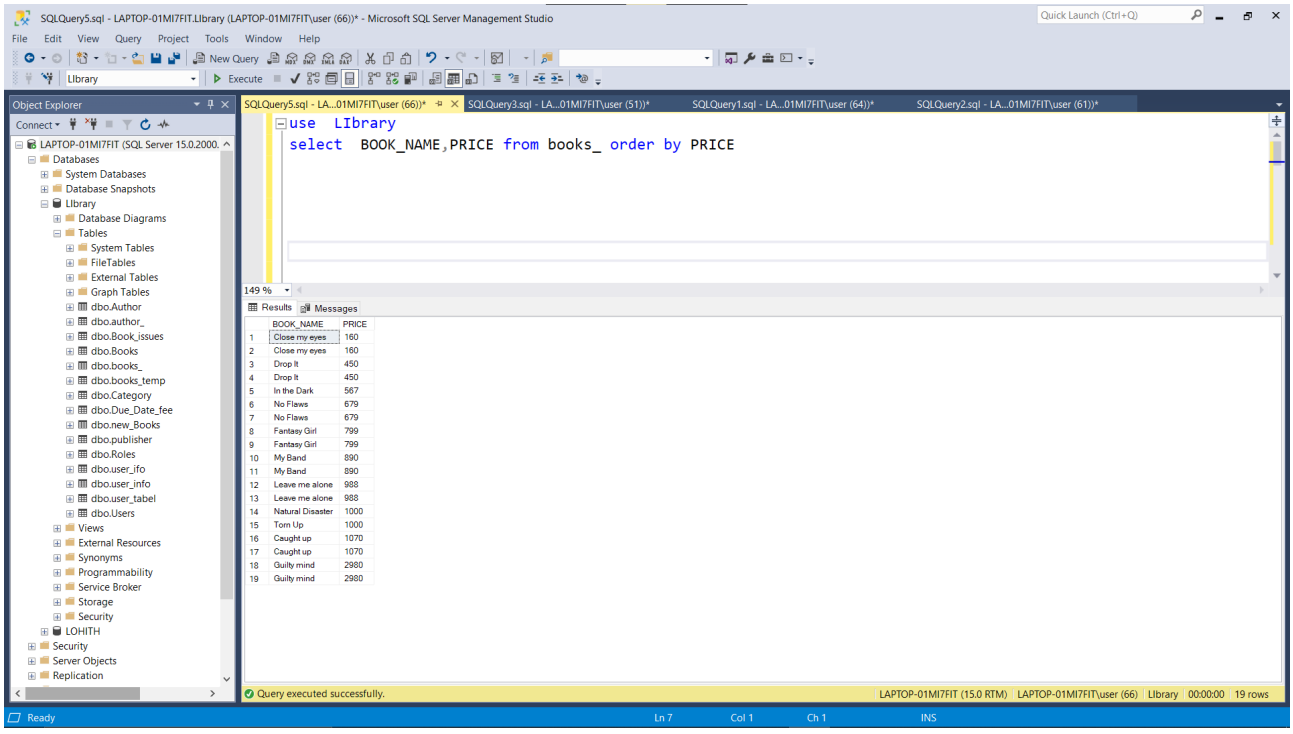
~

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

i)ORDER BY :-

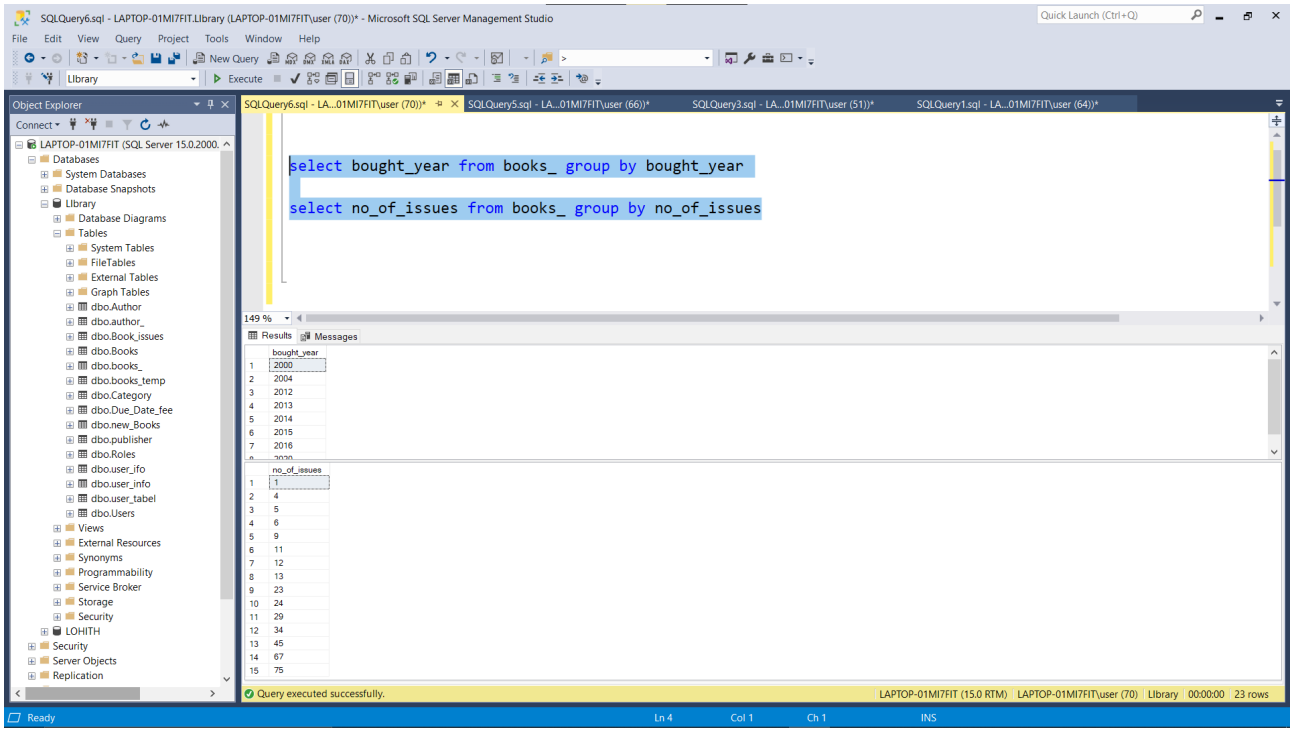


~



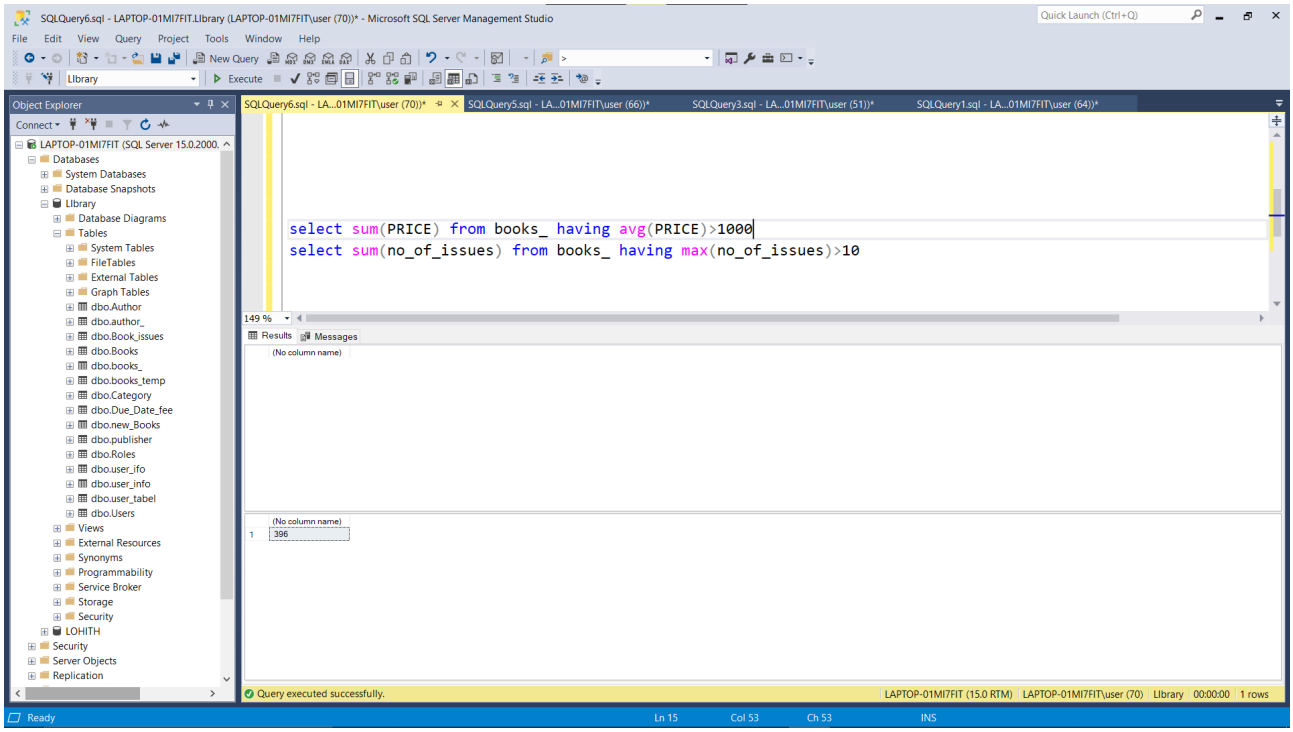
~

ii)GROUP BY :-



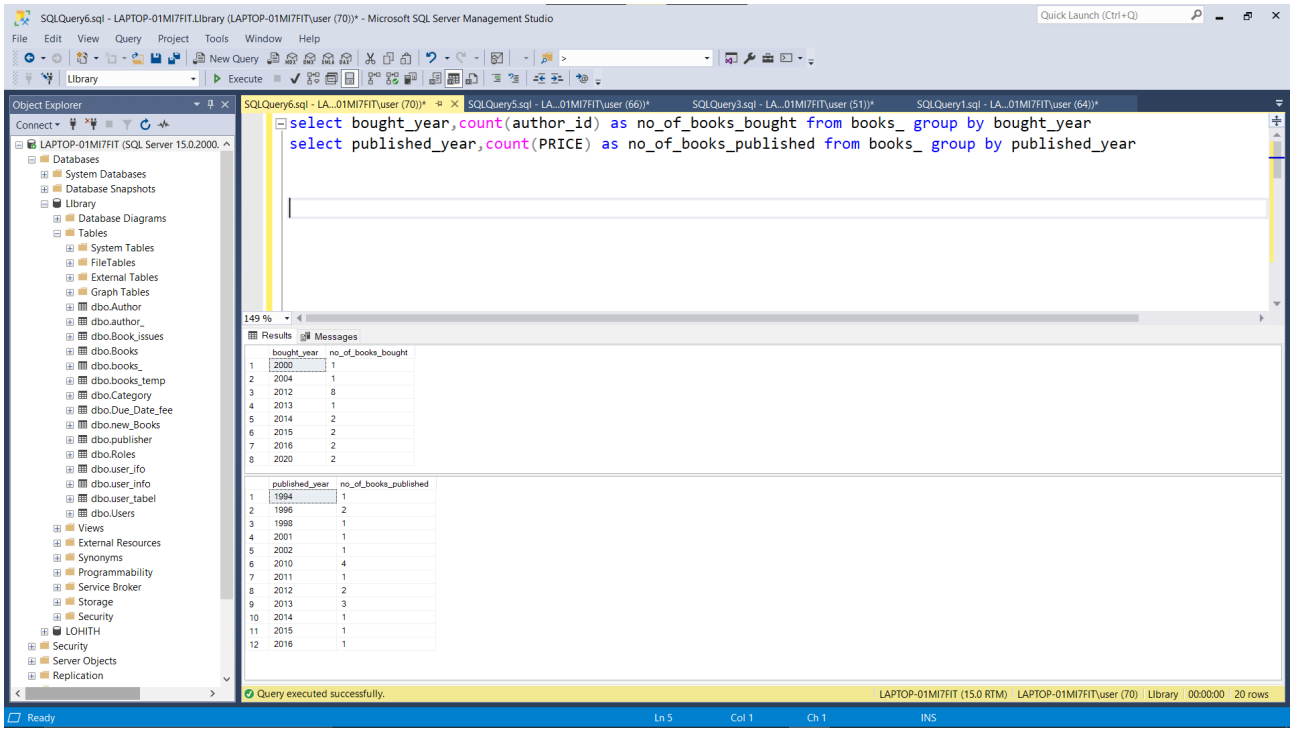
~

iii) HAVING :-

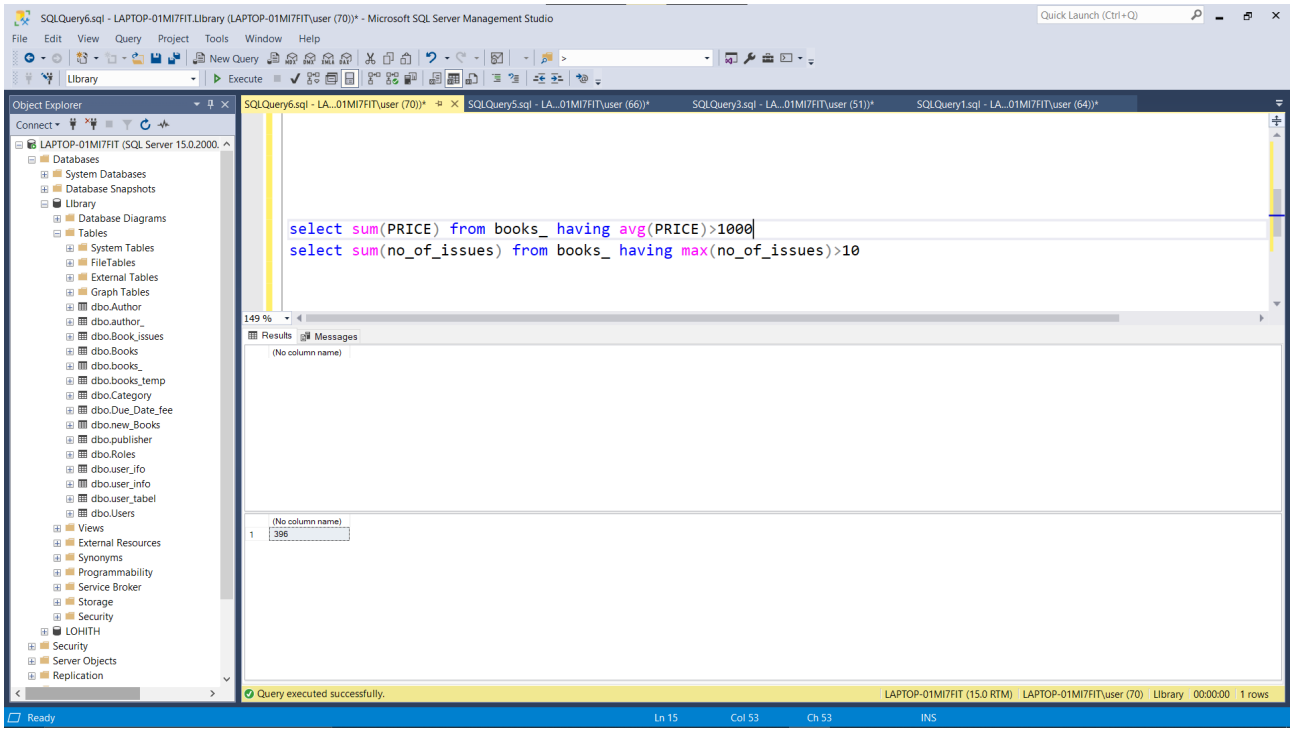


~

4)Use Aggregate function with group by and having

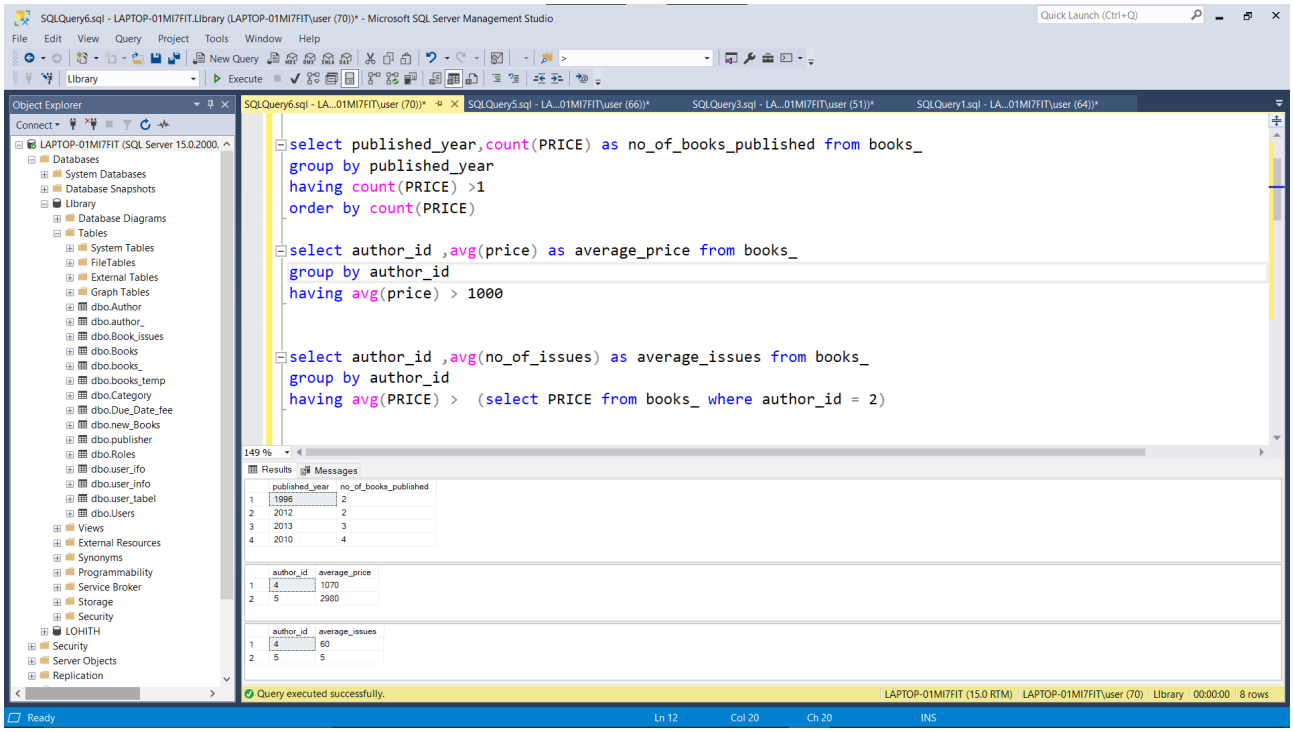


~



~

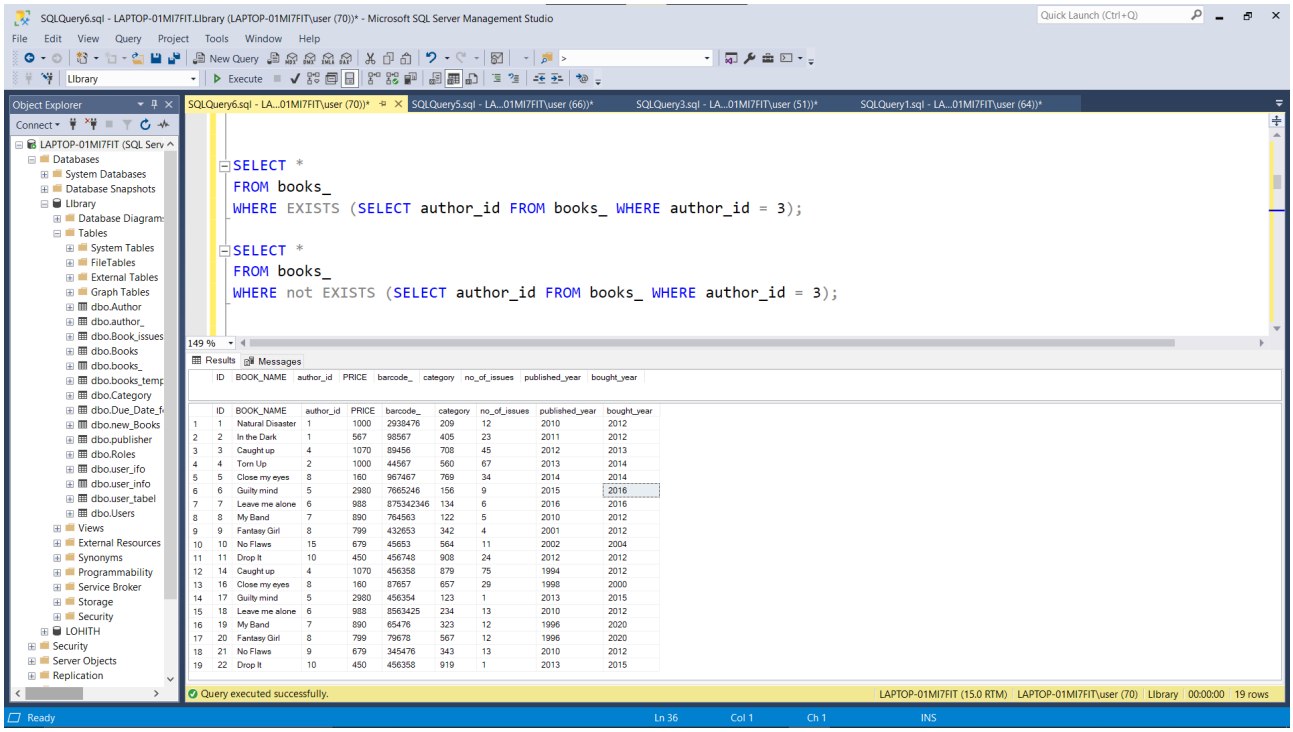
5) Write at least 3 nested queries using order by, group by and having clause.



~

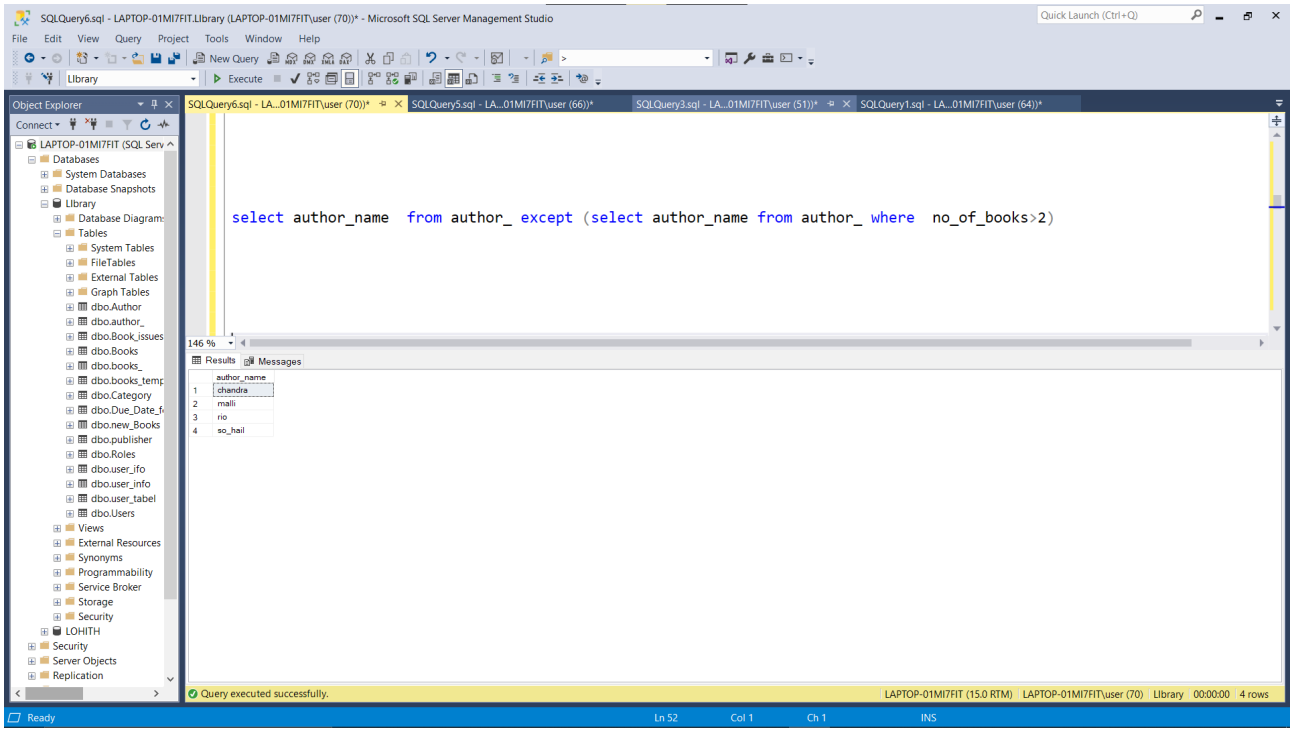
6)Illustrate the Usage of Except, Exists, Not Exists, Union, Intersection

i) EXISTS and NOT EXISTS :-



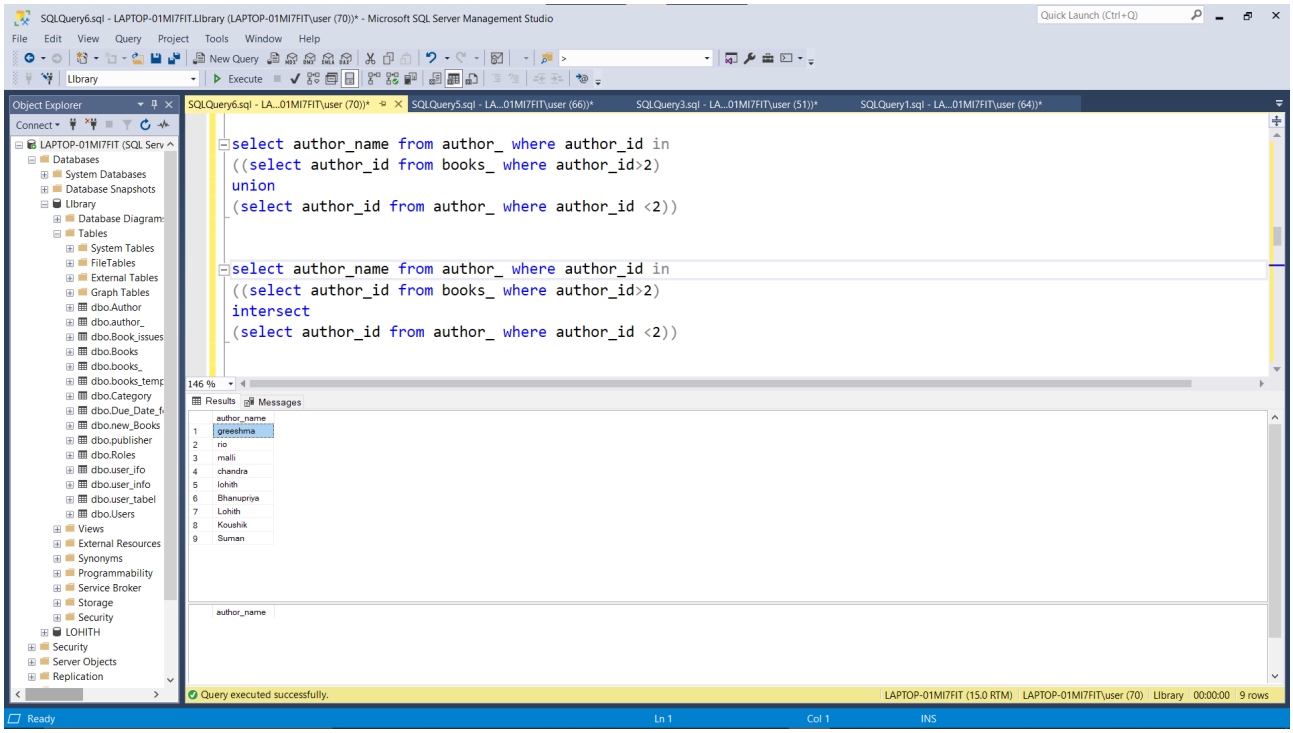
~

ii) EXCEPT :-



~

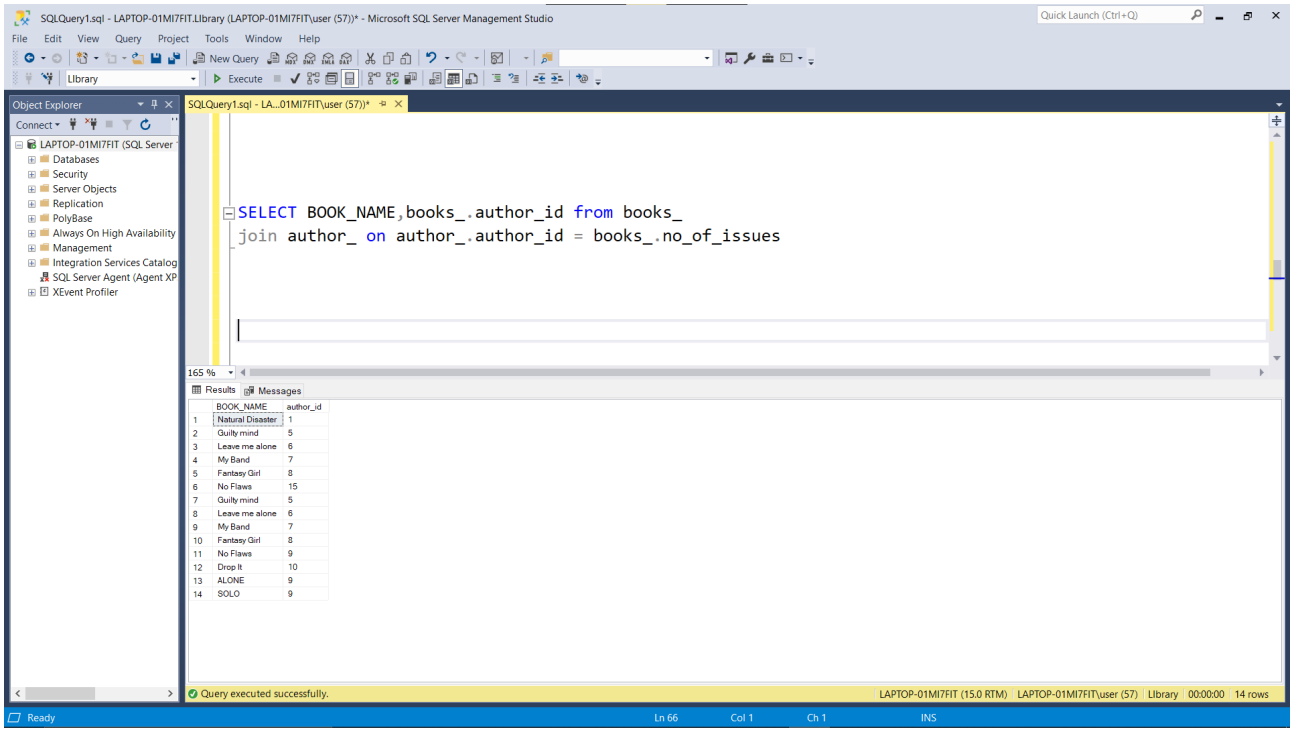
iii) UNION and INTERSECT :-



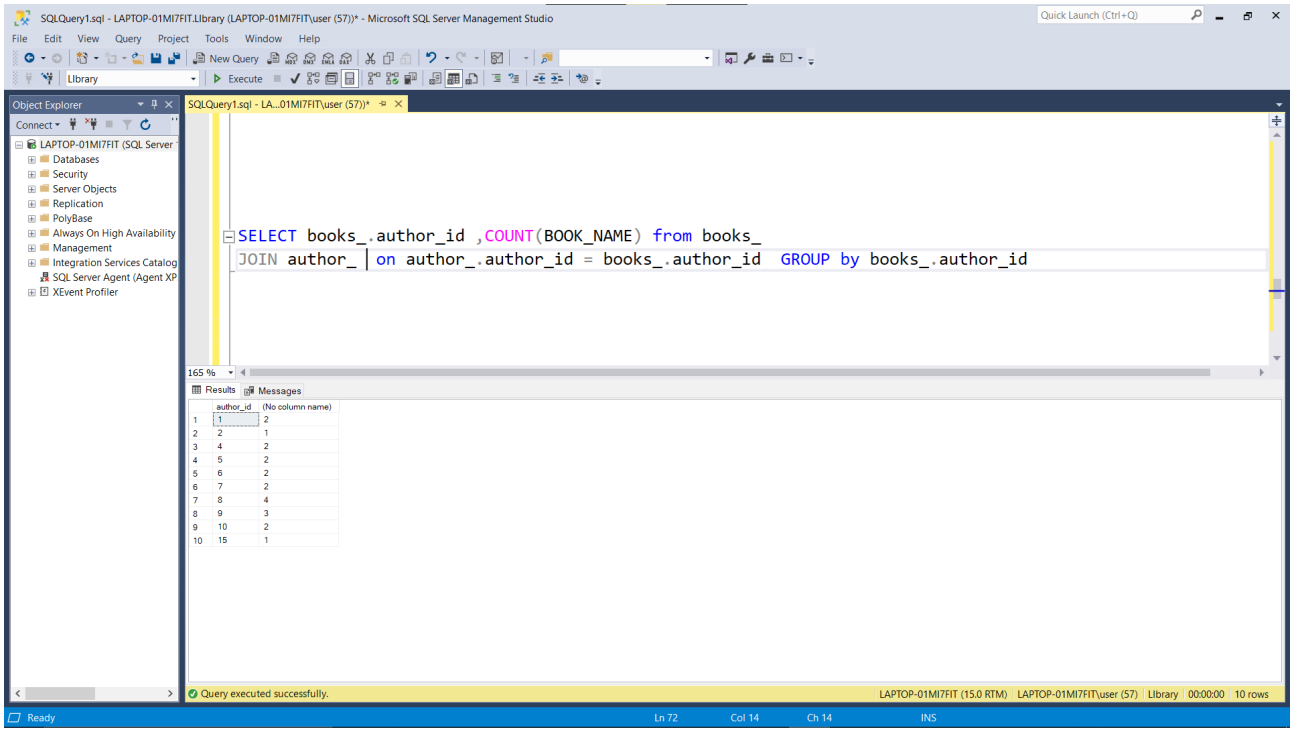
~

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

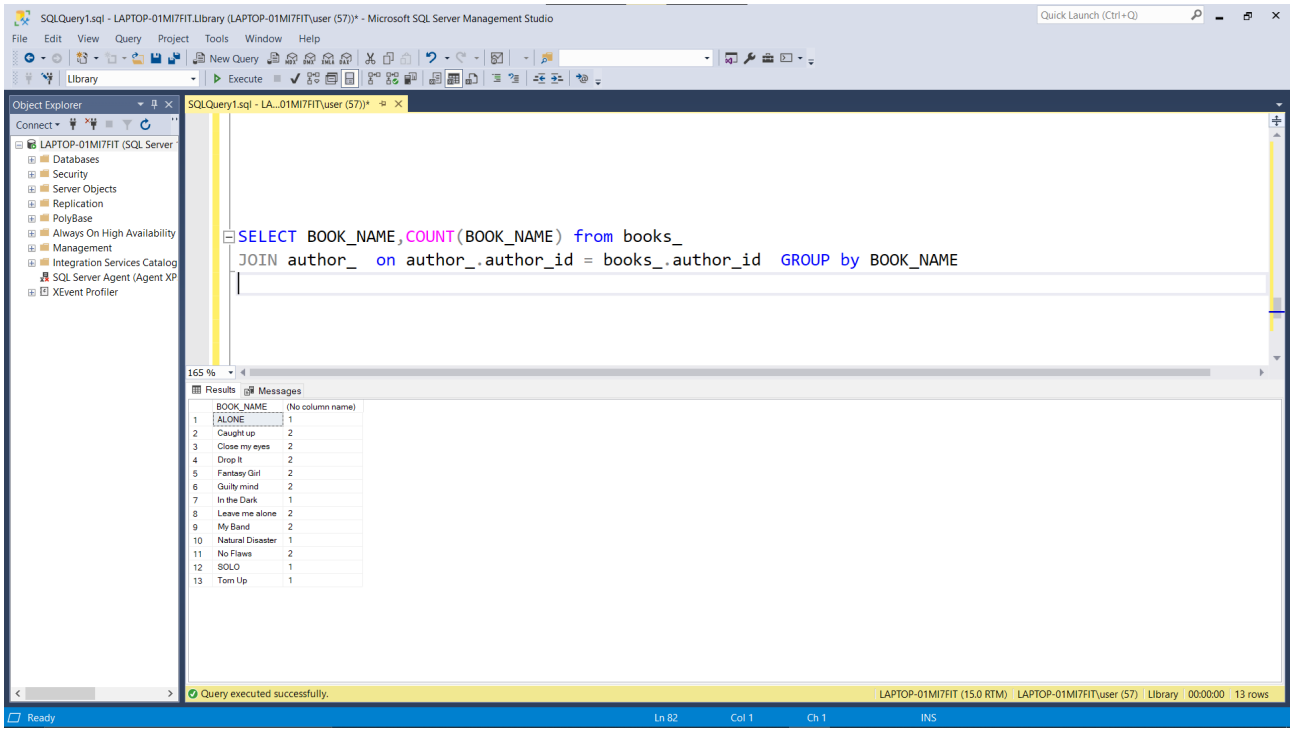
I) JOIN :-



~

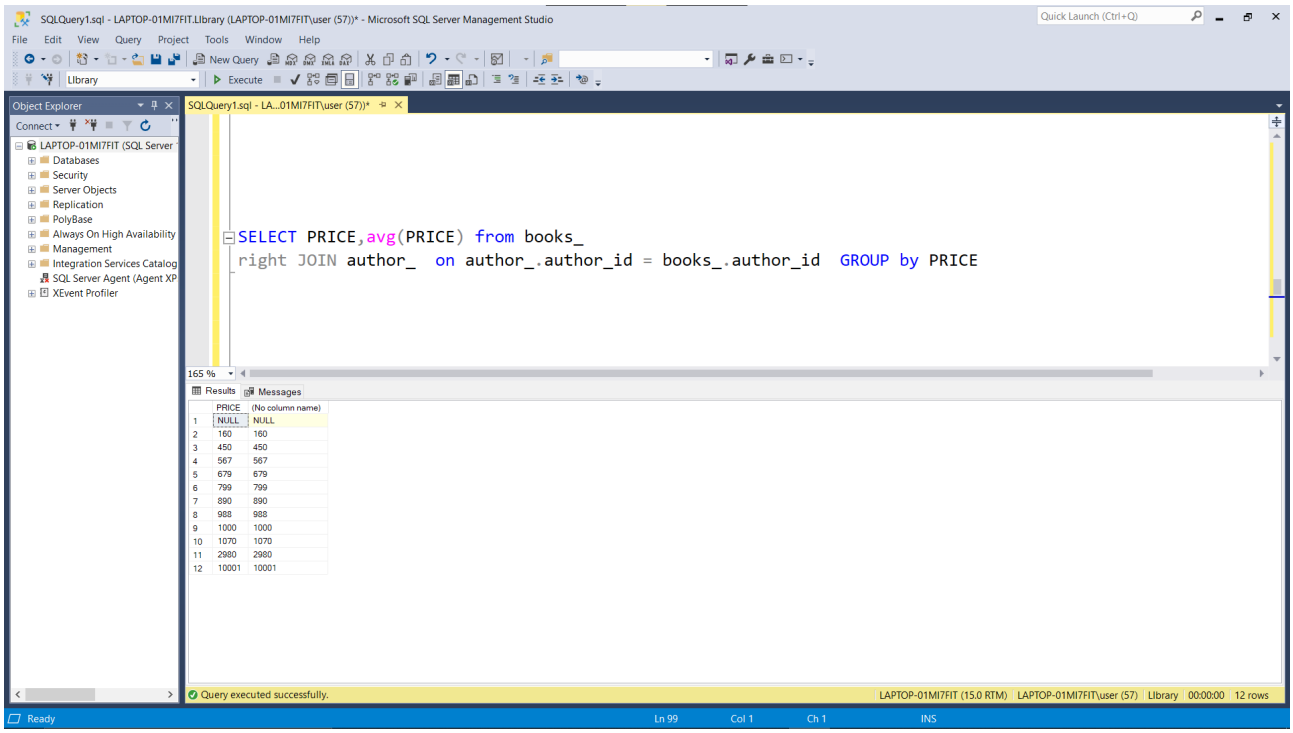


~

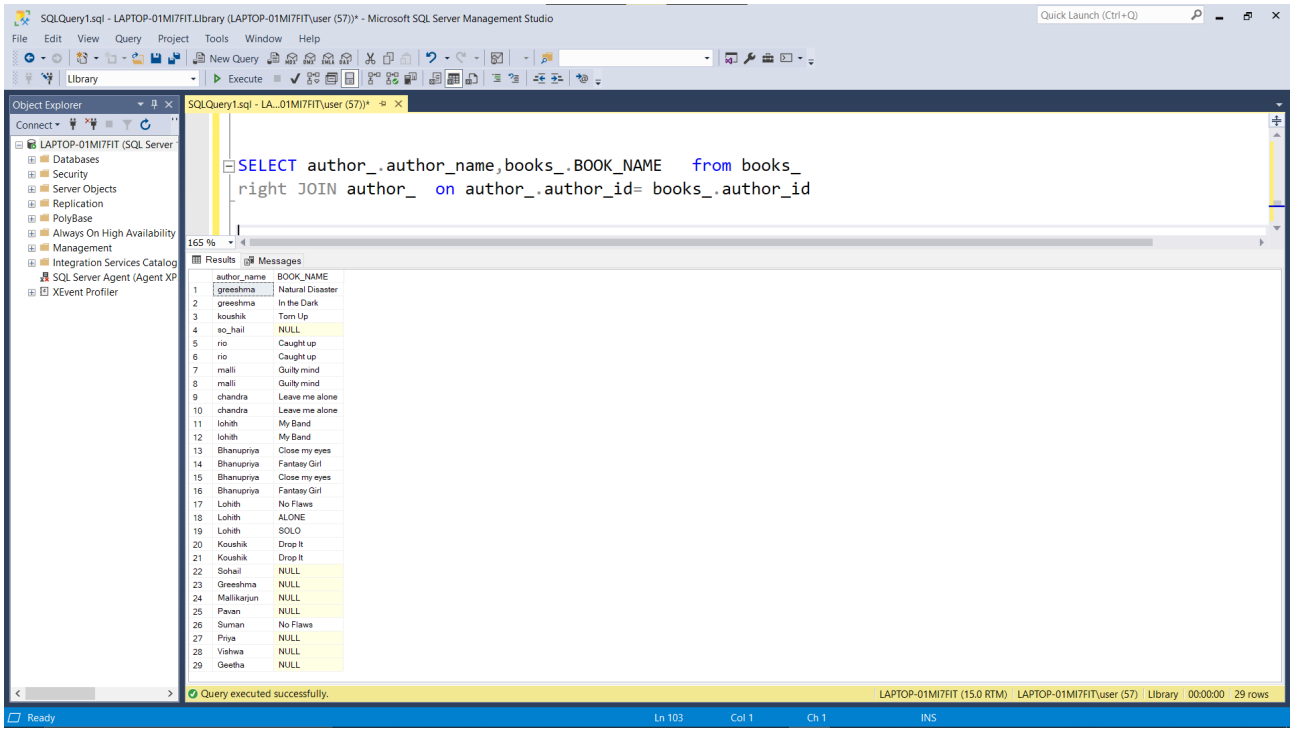


~

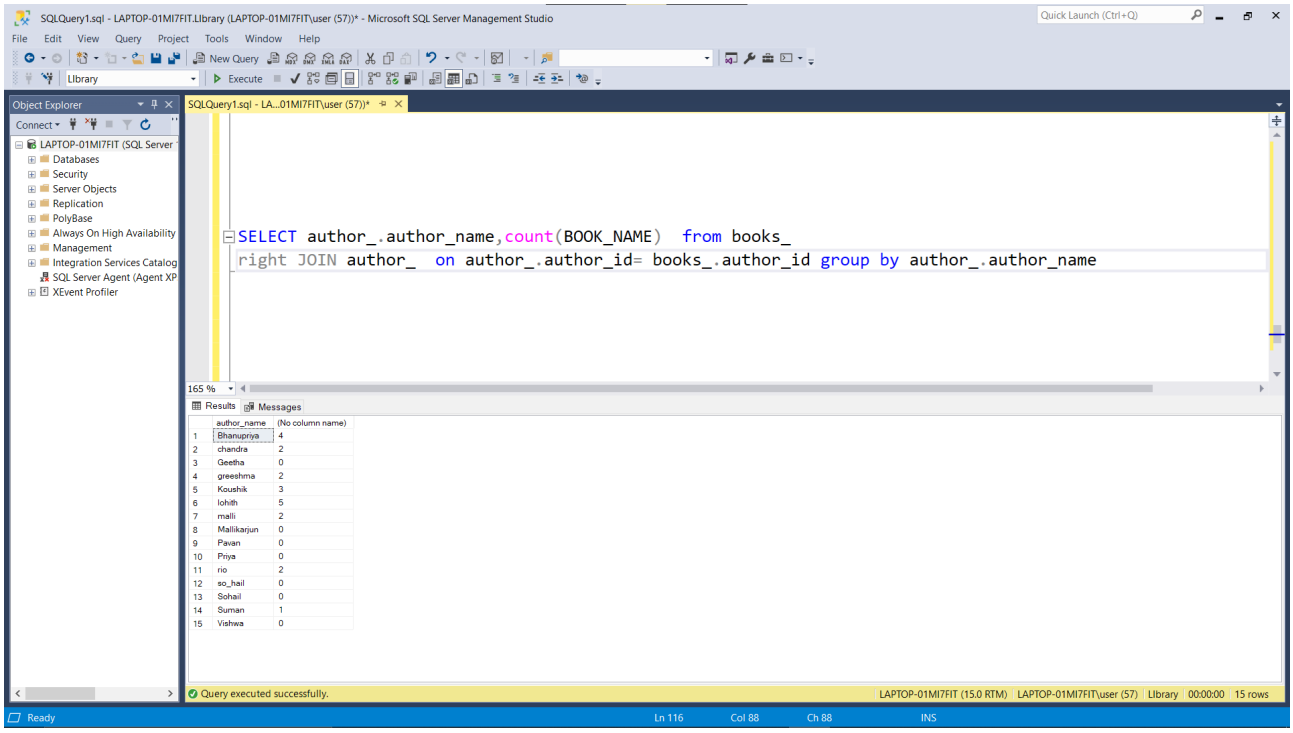
ii) RIGHT JOIN :-



~

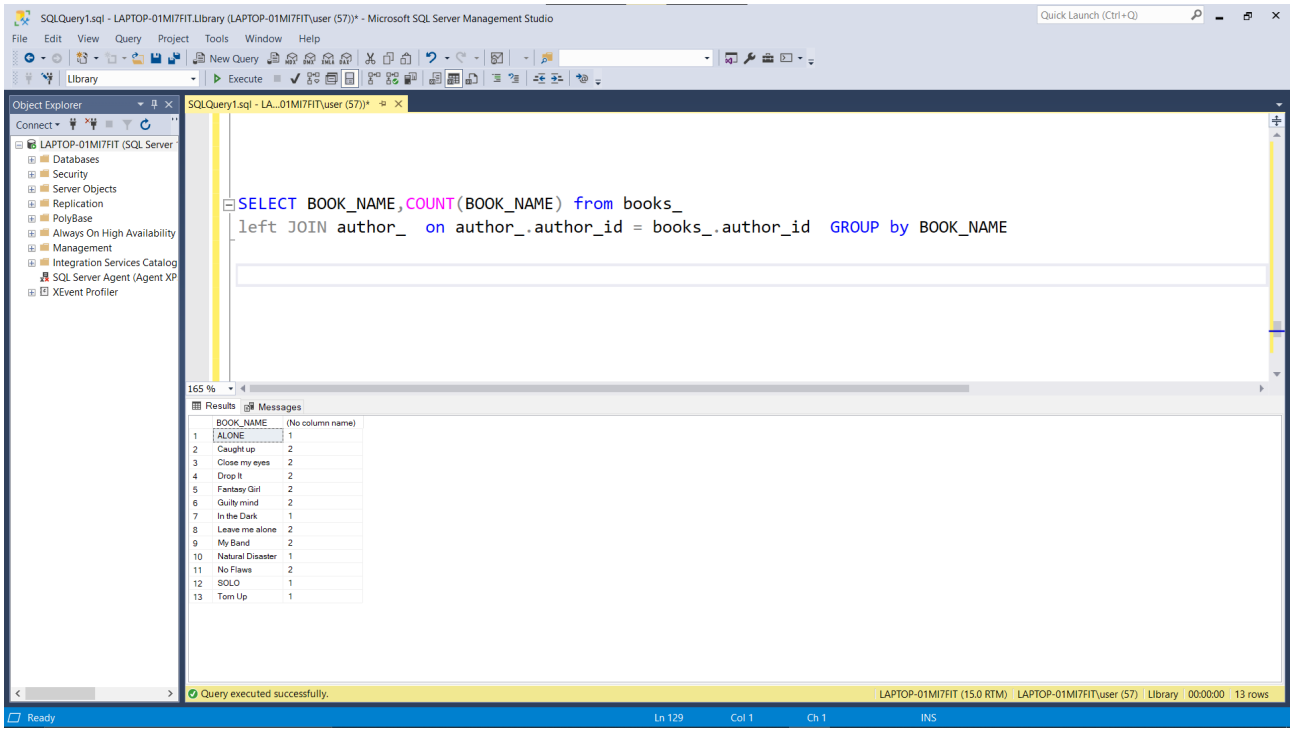

SQLQuery1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (57))* - Microsoft SQL Server Management Studio
SELECT author_.author_name,books_.BOOK_NAME from books_
right JOIN author_ on author_.author_id= books_.author_id
Query executed successfully.
Ready

~

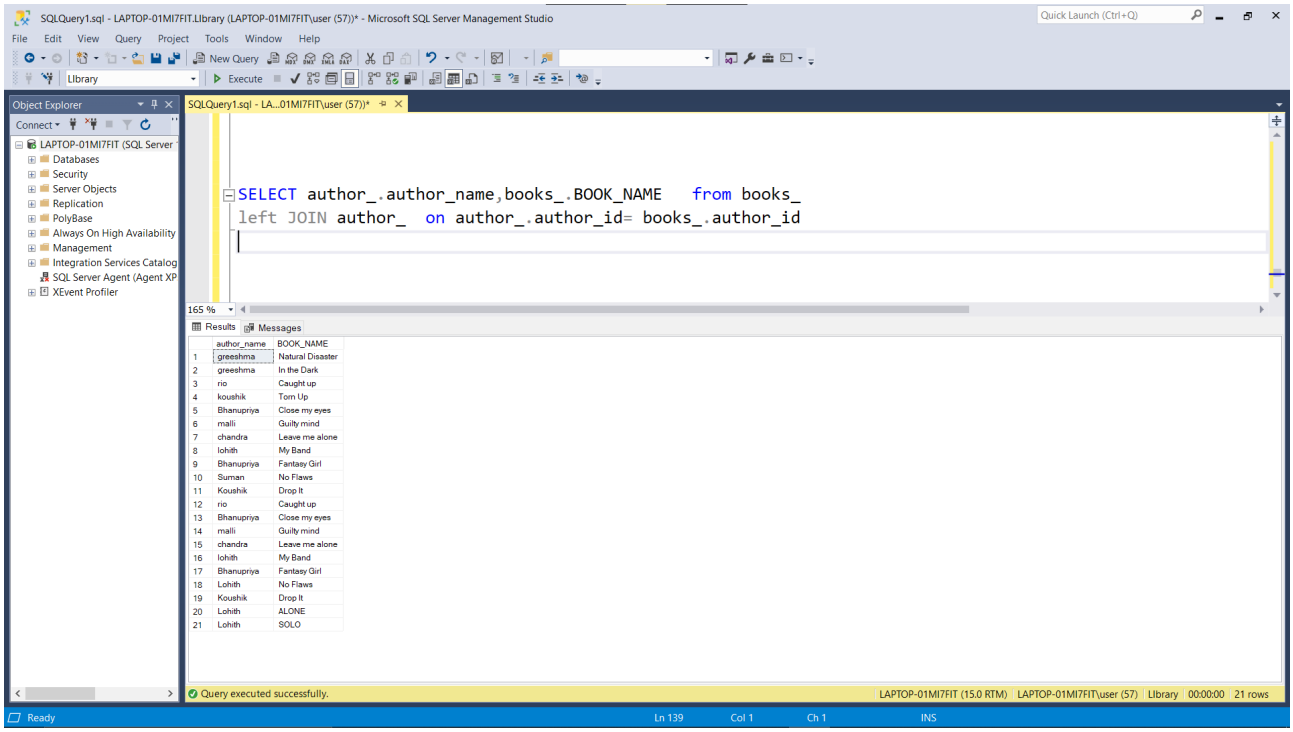

SQLQuery1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (57))* - Microsoft SQL Server Management Studio
SELECT author_.author_name,count(BOOK_NAME) from books_
right JOIN author_ on author_.author_id= books_.author_id group by author_.author_name
Query executed successfully.
Ready

~

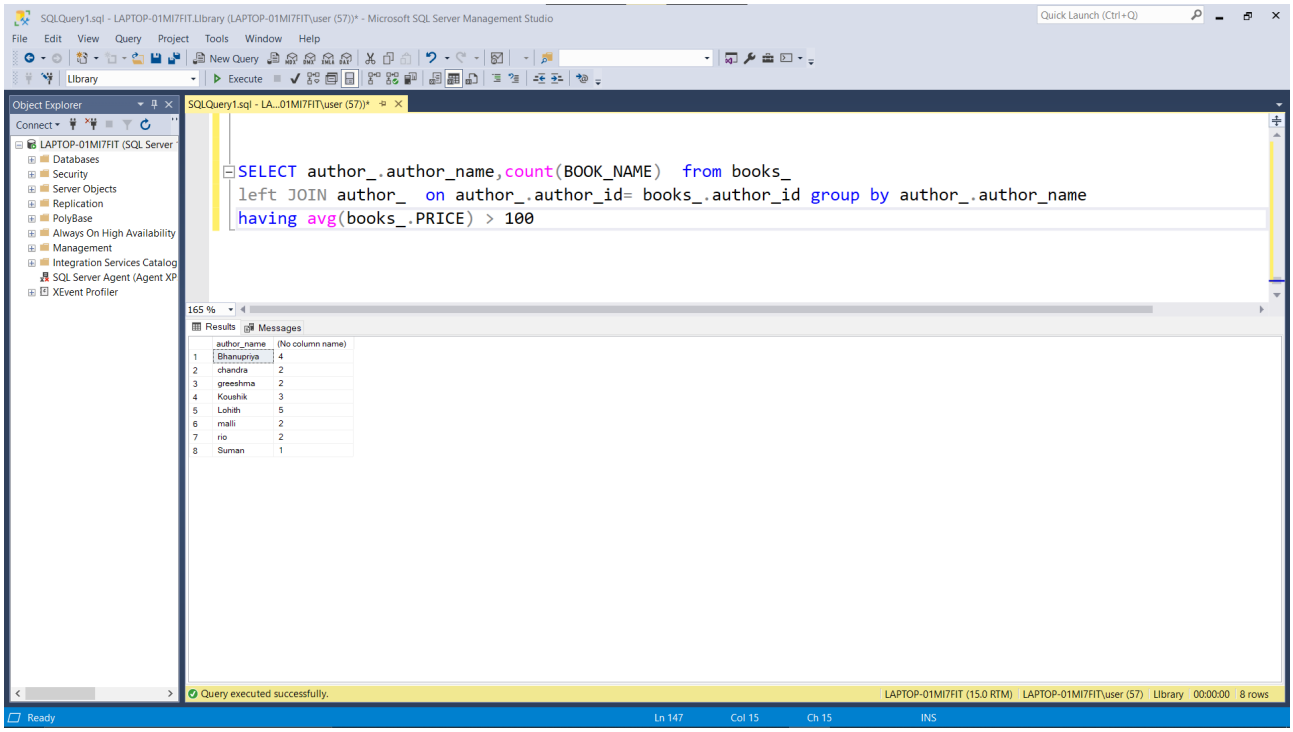
iii) LEFT JOIN :-



~



~


SQLQuery1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (57))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
LIbrary
Object Explorer
Connect
LAPTOP-01MI7FIT (SQL Server
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalog
SQL Server Agent (Agent XP
XEvent Profiler
SQLQuery1.sql - LA...01MI7FIT\user (57))*
SELECT author_.author_name,count(BOOK_NAME) from books_
left JOIN author_ on author_.author_id= books_.author_id group by author_.author_name
having avg(books_.PRICE) > 100
165 %
Results
Messages
author_name (No column name)
1 Bhanupriya 4
2 chandra 2
3 greeshma 2
4 Koushik 3
5 Lohith 5
6 malli 2
7 rio 2
8 Suman 1
Query executed successfully.
LAPTOP-01MI7FIT (15.0 RTM) LAPTOP-01MI7FIT\user (57) LIbrary 00:00:00 8 rows
Ready
Ln 147 Col 15 Ch 15 INS