GROUP-7

1)Write 5 Nested Queries for your respective database

```
i)
```

```
select author_name from author_
where author_id in
(select author_id from books_ where published_year<2020 and no_of_issues=5)</pre>
```

OUTPUT:-

```
SOLOWNY, A Task - LAPTOP ATMINTPT Library (LAPTOP ATMINTPT Library (LAPTOP ATMINTPT Library CONT) - More Seed to 1 Monday (Mark 1) - Monda
```

ii)

```
select BOOK_NAME from books_
where author_id in (select author_id from author_ where author_name = 'koushik')
and published_year=2013
```

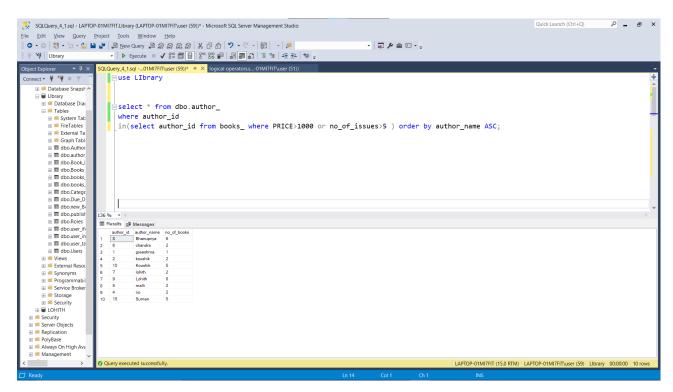
iii)

```
select author_name from author_
where no_of_books>2 and author_id
in(select author_id from books_ where published_year<2018)</pre>
```

```
iv)select author_name from dbo.author_
where author_id
in(select author_id from books_ where PRICE>1000 or no_of_issues>5 )
and author_name like 'g%';
```

```
₽ <u>-</u> - - ×
SQLQuery_4_1.sql - LAPTOP-01MI7FIT.LIbrary (LAPTOP-01MI7FIT\user (59))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
 - 🗐 🔑 🖮 🖂 - 💂
                      □use LIbrary
   nnect 🕶 🌹 🍟 🗏 🕎
   select author_name from dbo.author_
     where author_id
in(select author_id from books_ where PRICE>1000 or no_of_issues>5 )
   and author_name like 'g%';
                   III Results ⊠ Messages
   Security
Server Objects
   Replication
   PolyBase
    Always On High Ava
   Management
                                                                                                              LAPTOP-01MI7FIT (15.0 RTM) | LAPTOP-01MI7FIT\user (59) | Library | 00:00:00 | 1 re
```

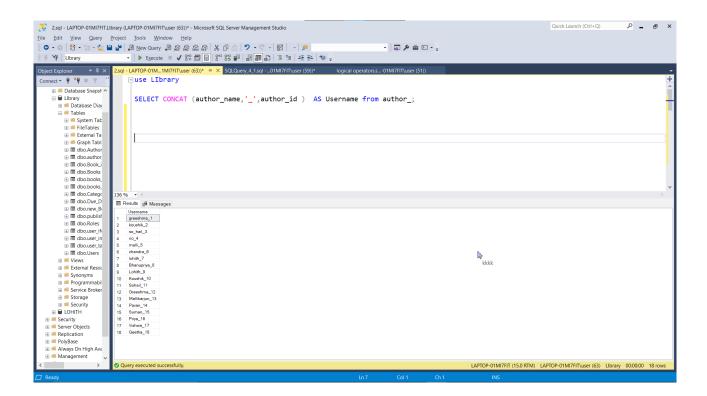
```
V)select * from dbo.author_
where author_id
in(select author_id from books_ where PRICE>1000 or no_of_issues>5 ) order by author_name
ASC;
```



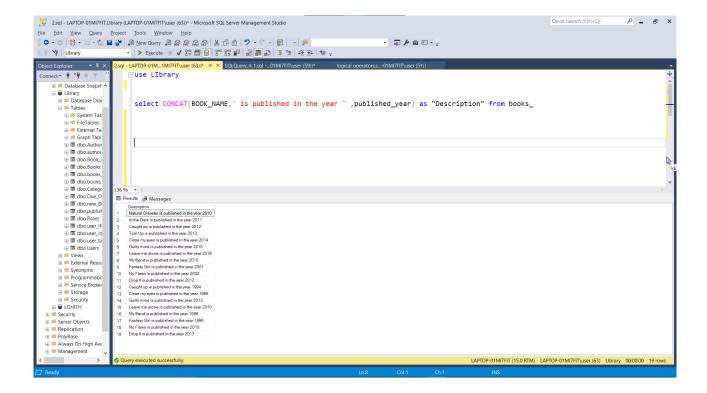
2) Illustrate how we can use Concat and As operators in SQL

i)

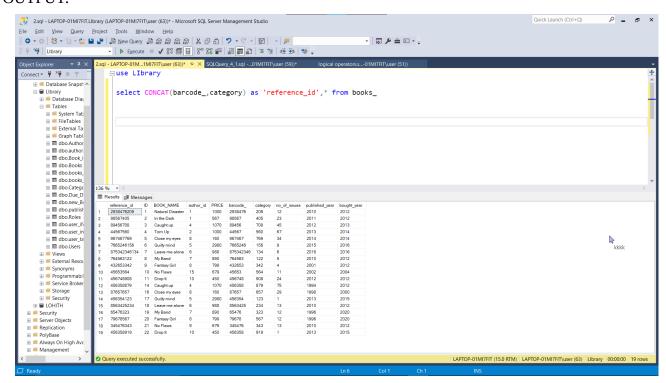
```
SELECT CONCAT (author_name, '_', author_id ) AS Username from author_;
OUTPUT:-
```



```
ii)
select CONCAT(BOOK_NAME, ' is published in the year ' ,published_year)
as "Description" from books_
```

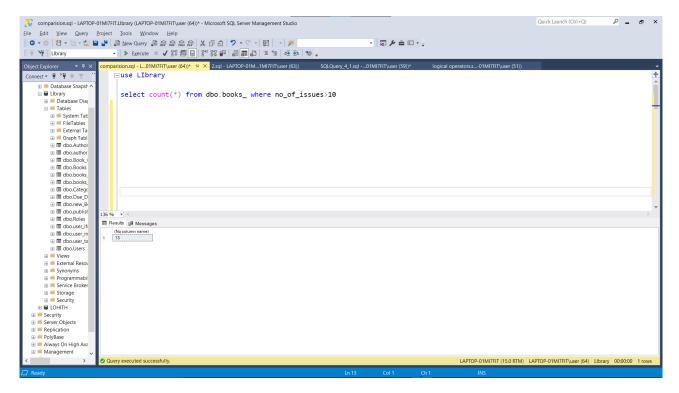


iii)select CONCAT(barcode_,category) as 'reference_id',* from books_



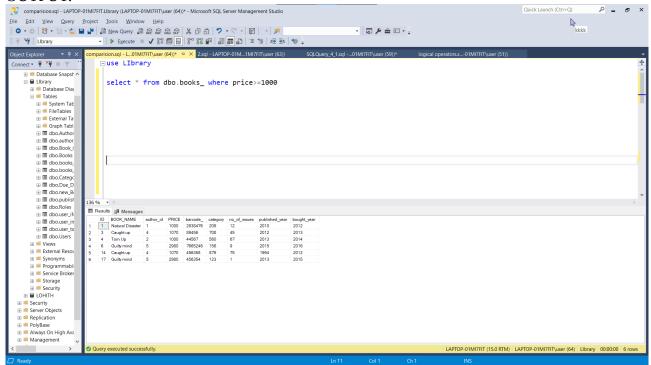
3)Illustrate all the Comparison operator

i)
select count(*) from dbo.books_ where no_of_issues>10
OUTPUT:-



ii)

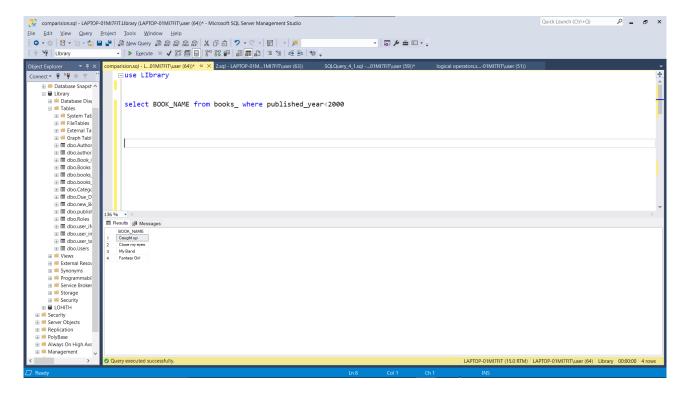
select * from dbo.books_ where price>=1000



iii)

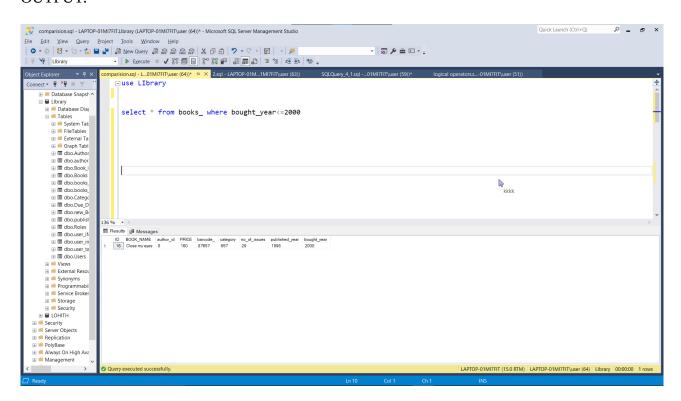
select BOOK_NAME from books_ where published_year<2000</pre>

OUTPUT:-



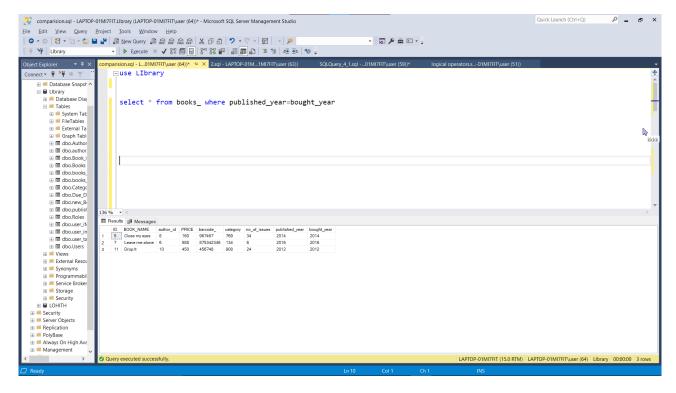
iv)

select * from books_ where bought_year<=2000</pre>

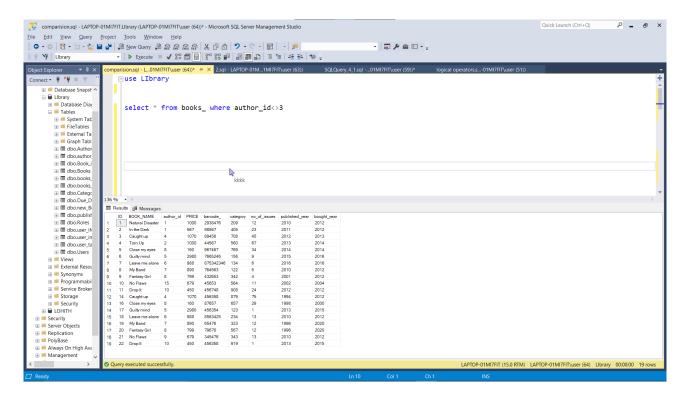


V)select * from books_ where published_year=bought_year

OUTPUT:-

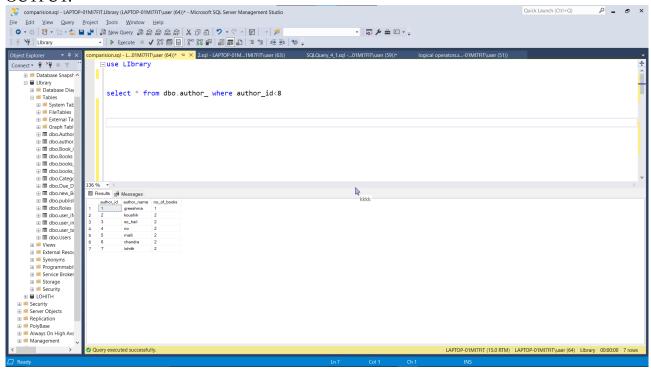


vi)
select * from books_ where author_id<>3

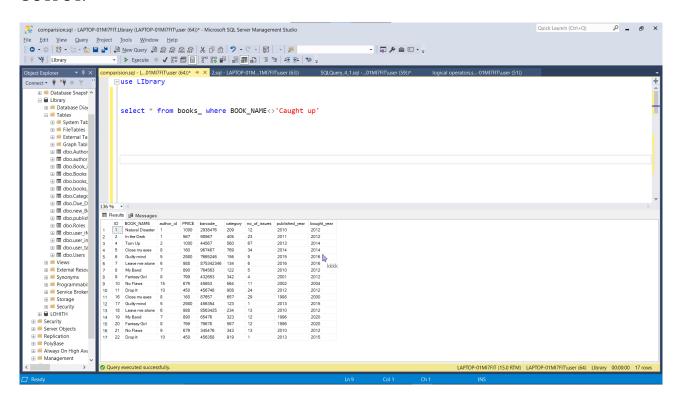


vii)select * from dbo.author_ where author_id<8</pre>

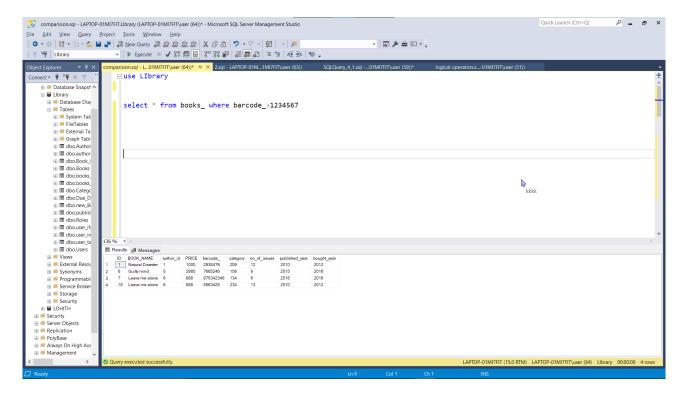
OUTPUT:-



viii)select * from books_ where BOOK_NAME<> 'Caught up'

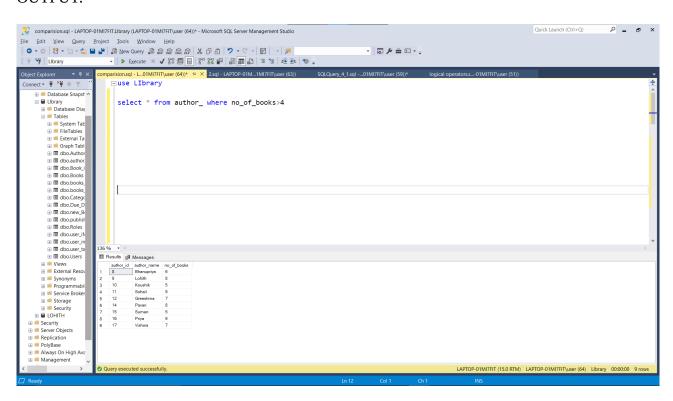


```
ix)
select * from books_ where barcode_>1234567
```

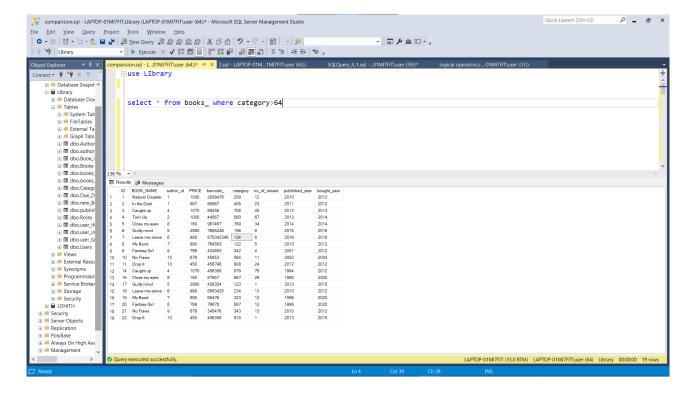


x)

select * from author_ where no_of_books>4

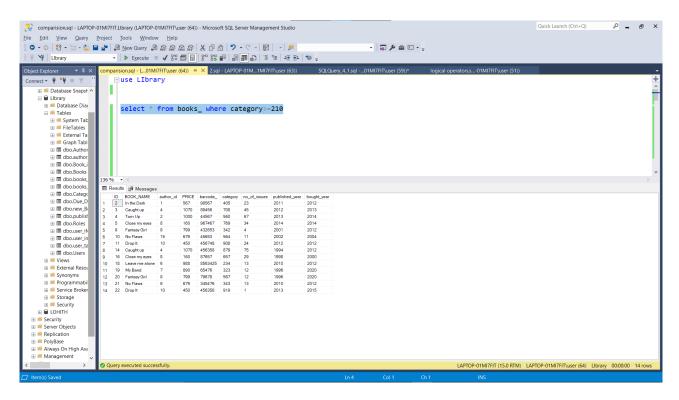


```
xi)
select * from books_ where category>64
```

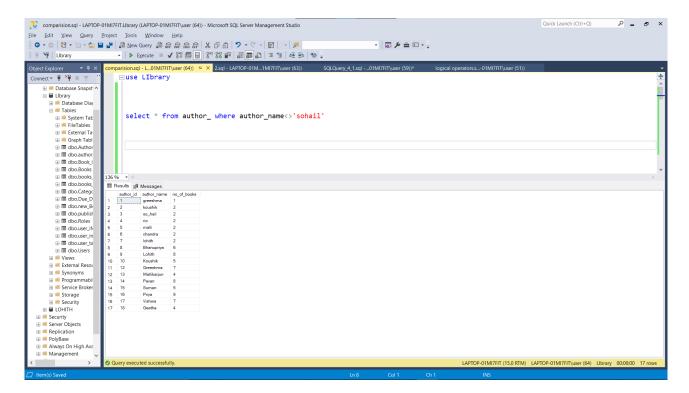


xii)

select * from books_ where category>=210

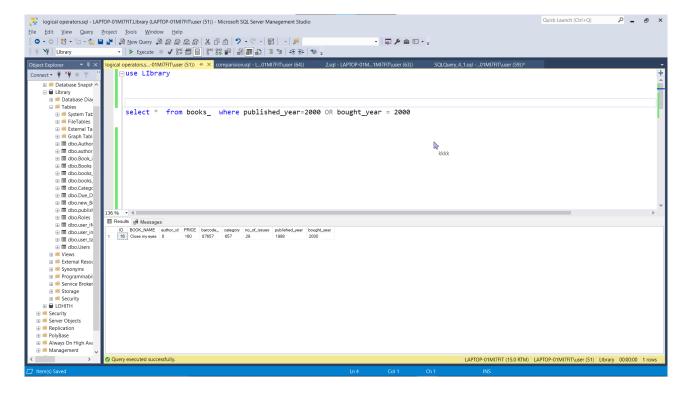


```
xiii)
select * from author_ where author_name<>'sohail'
```



4)Illustrate Logical operators except ANY, ALL and Like

i)
select * from books_ where published_year=2000 OR bought_year = 2000
OUTPUT:-



ii)

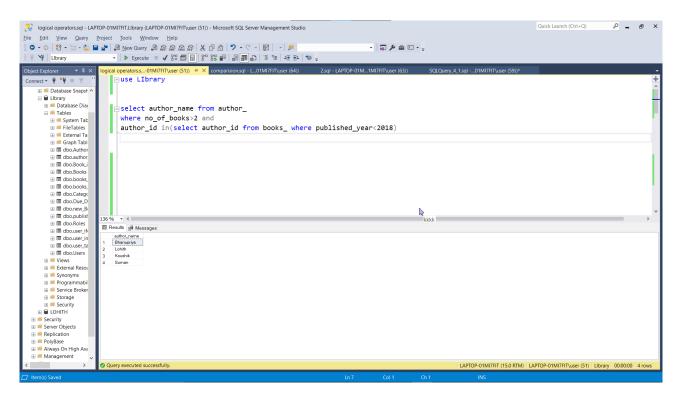
select count(*) from books_ where author_id =1 OR author_id=2

OUTPUT:-

```
| Second operations of - LAPTOP-OMM/TITLUtury (LAPTOP-OMM/TITLUtury (LAPTOP-OMM/TITLUTUR (LAPTOP-OMM/T
```

iii)

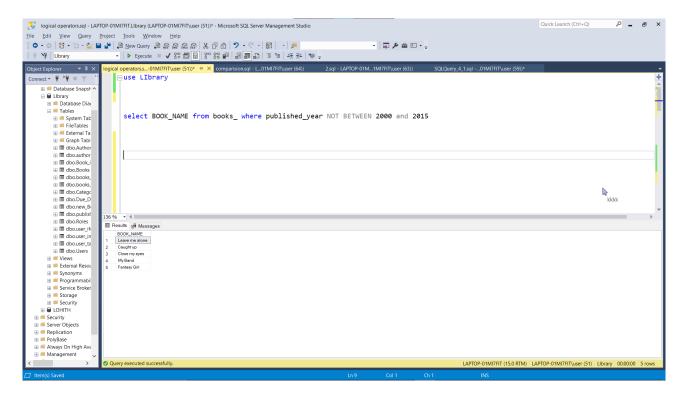
```
select author_name from author_
where no_of_books>2 and
author_id in(select author_id from books_ where published_year<2018)</pre>
```



iv)

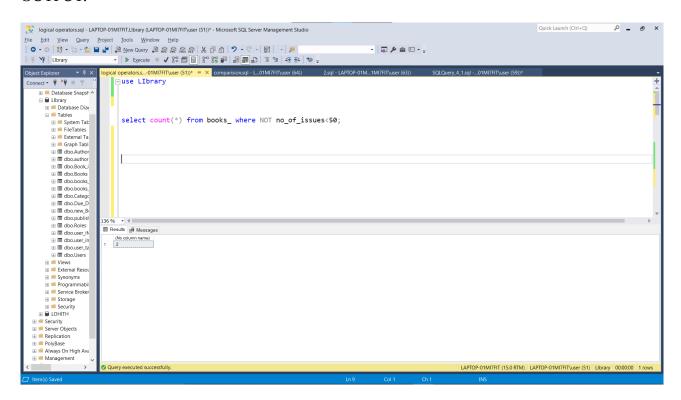
select BOOK_NAME from books_ where published_year NOT BETWEEN 2000 and 2015

OUTPUT:-



v)

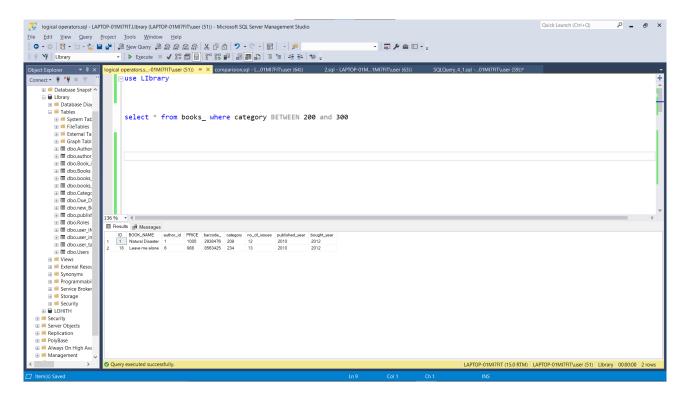
select count(*) from books_ where NOT no_of_issues<50;</pre>



vi)

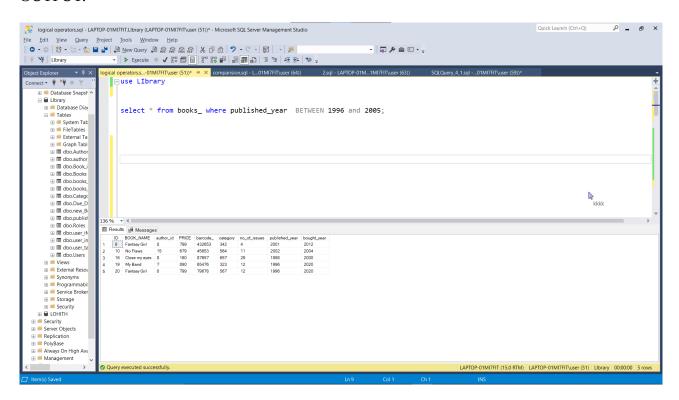
select * from books_ where category BETWEEN 200 and 300

OUTPUT:-



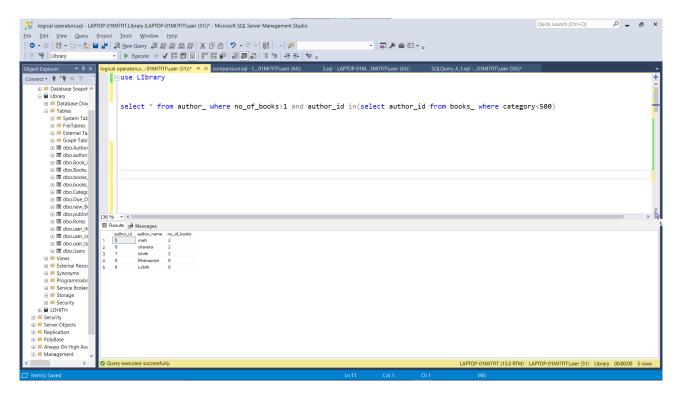
vii)

select * from books_ where published_year BETWEEN 1996 and 2005;



viii)

select * from author_ where no_of_books>1 and author_id in(select author_id from books_
where category<500)
OUTPUT:-</pre>



ix)

select BOOK_NAME from books_ where no_of_issues>10 and no_of_issues>15;

