SQL

PROJECT

Netflix

Netflix is a leading global streaming service that offers a vast library of TV shows, movies, documentaries, and more. You can watch on almost any internet-connected screen, and you can download titles to your smartphone or tablet to watch offline.

CONTENT

1)About Dataset
2)Study of Attributes
3)Queries
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About Dataset

Netflix is a leading global streaming service that offers a library of TV shows, movies, documentaries, and more. It provides content across various genres and languages, accessible on almost any internet-connected screen. Netflix is known for its original programming, including popular series and films, which it produces and distributes worldwide and Using SQL this dataset we are trying to analyse the fetching queries Refer to Technical notes for more details in Kaggle.

STUDY OF ATTRIBUTES

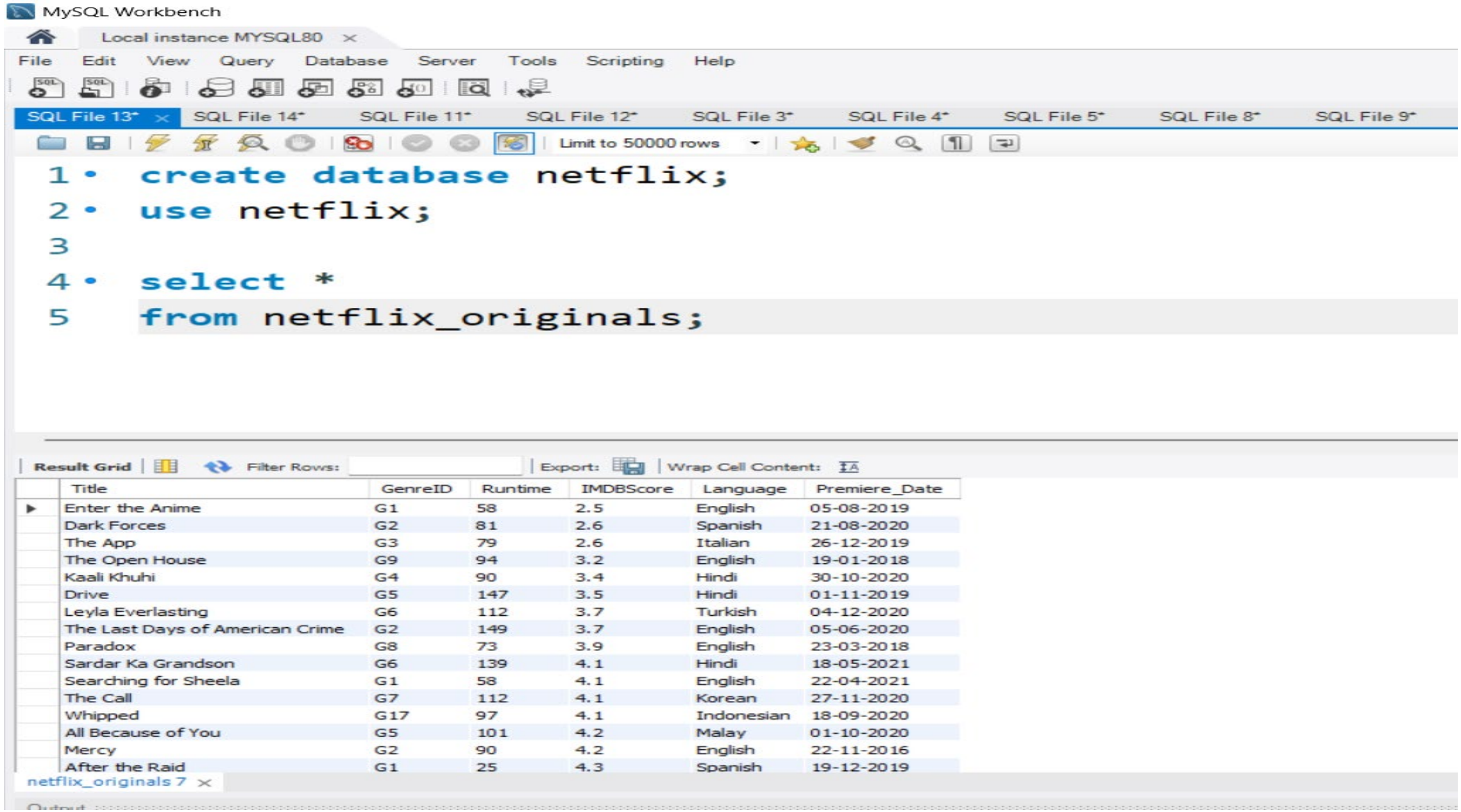
Netflix Originals -

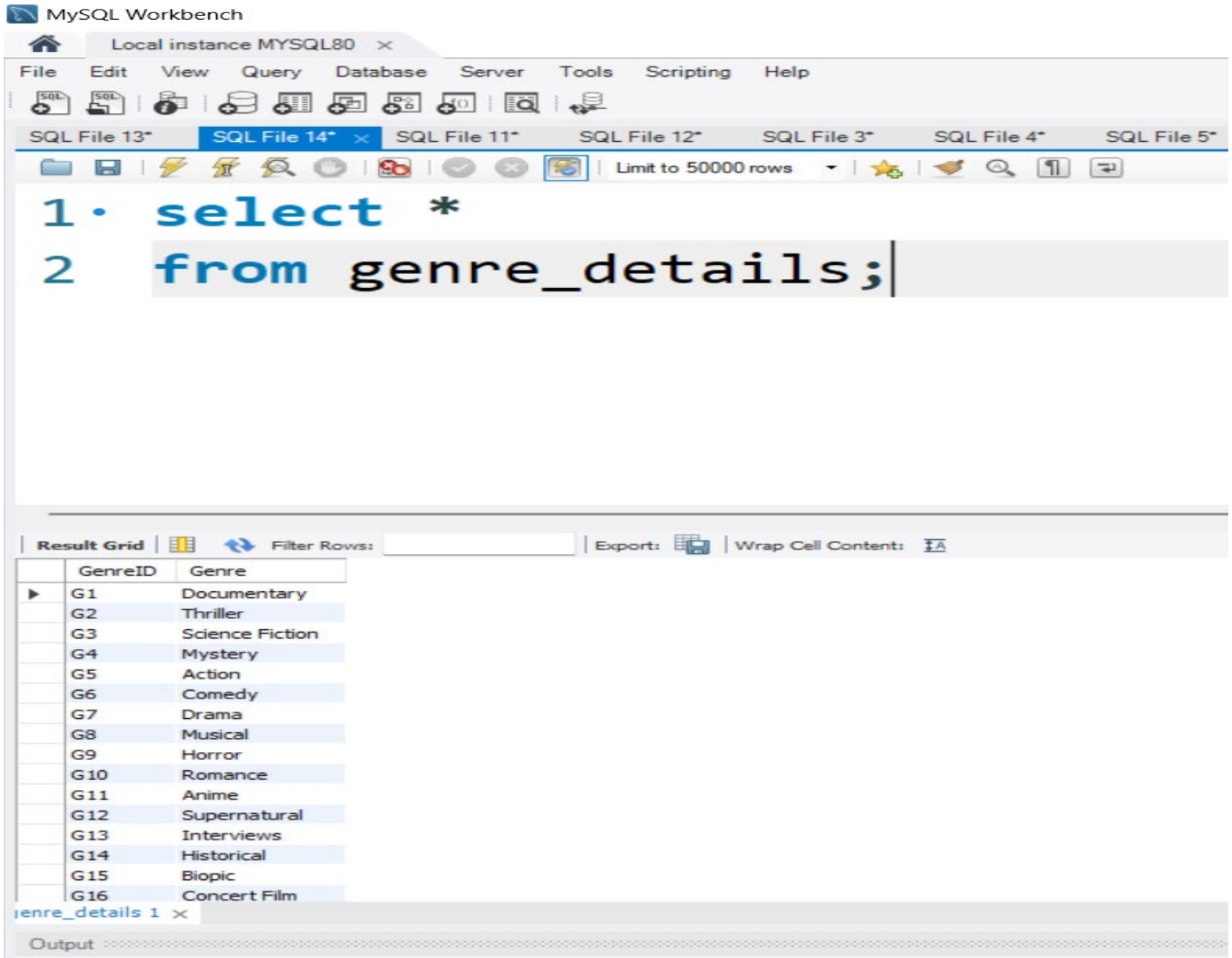
- Title
- Genre ID
- Runtime
- IMDB Score
- Language
- Premiere Date

Genre Details -

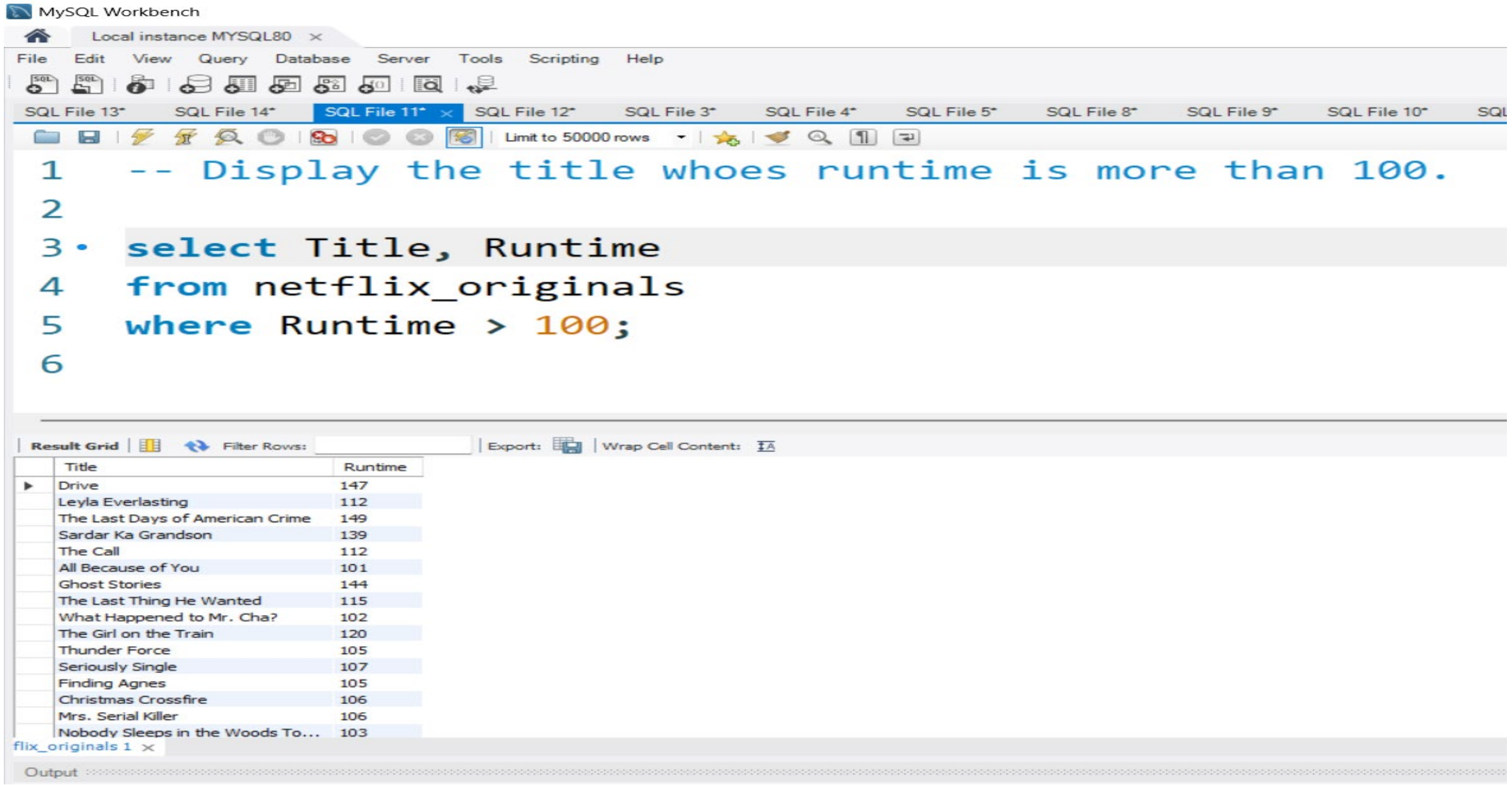
- Genre ID
- Genre

Creation of Data Base and Loading Dataset

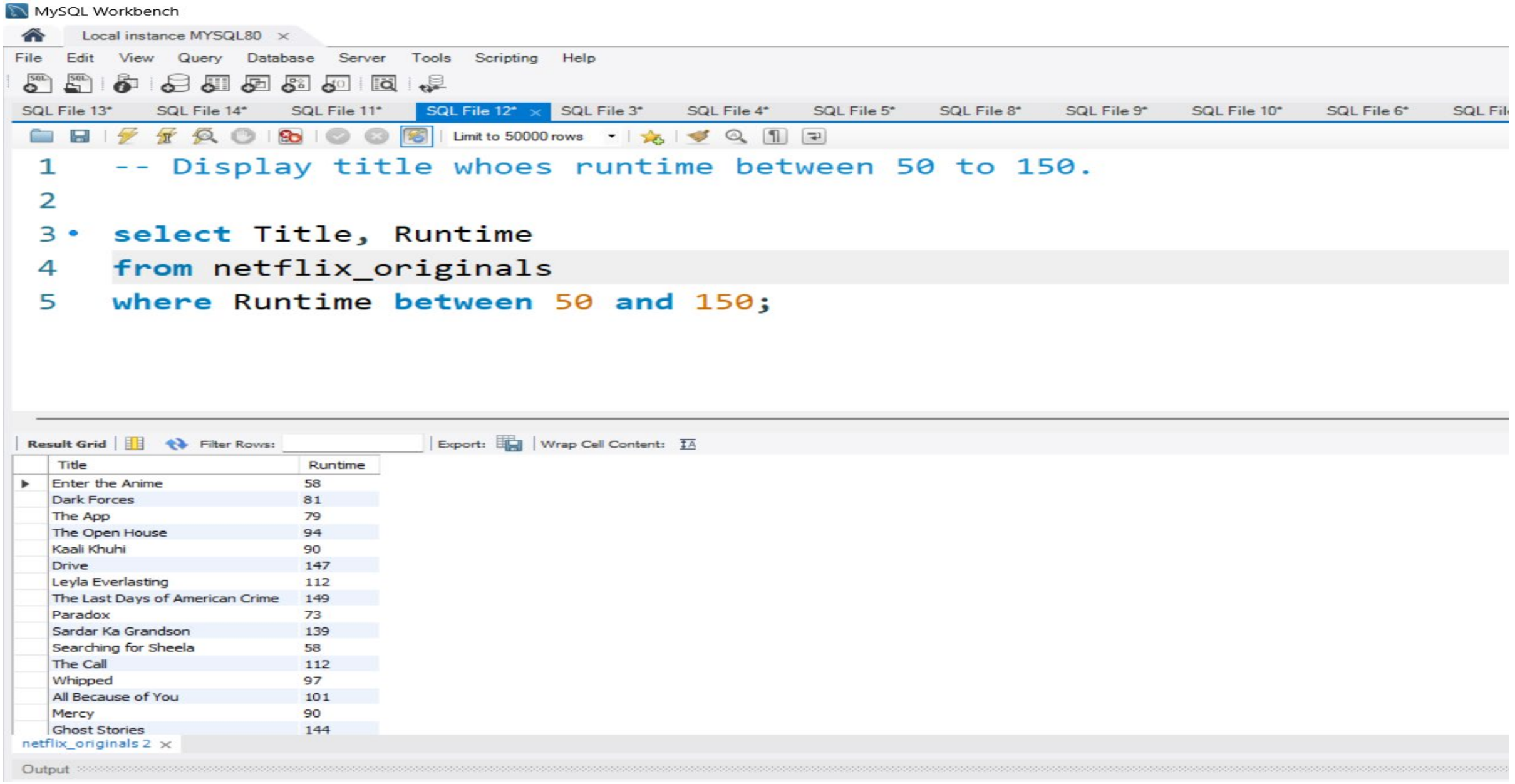



MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5*
Limit to 50000 rows
1 select *
2 from genre_details;
Result Grid Filter Rows: Export: Wrap Cell Content:
GenreID Genre
G1 Documentary
G2 Thriller
G3 Science Fiction
G4 Mystery
G5 Action
G6 Comedy
G7 Drama
G8 Musical
G9 Horror
G10 Romance
G11 Anime
G12 Supernatural
G13 Interviews
G14 Historical
G15 Biopic
G16 Concert Film
enre_details 1
Output

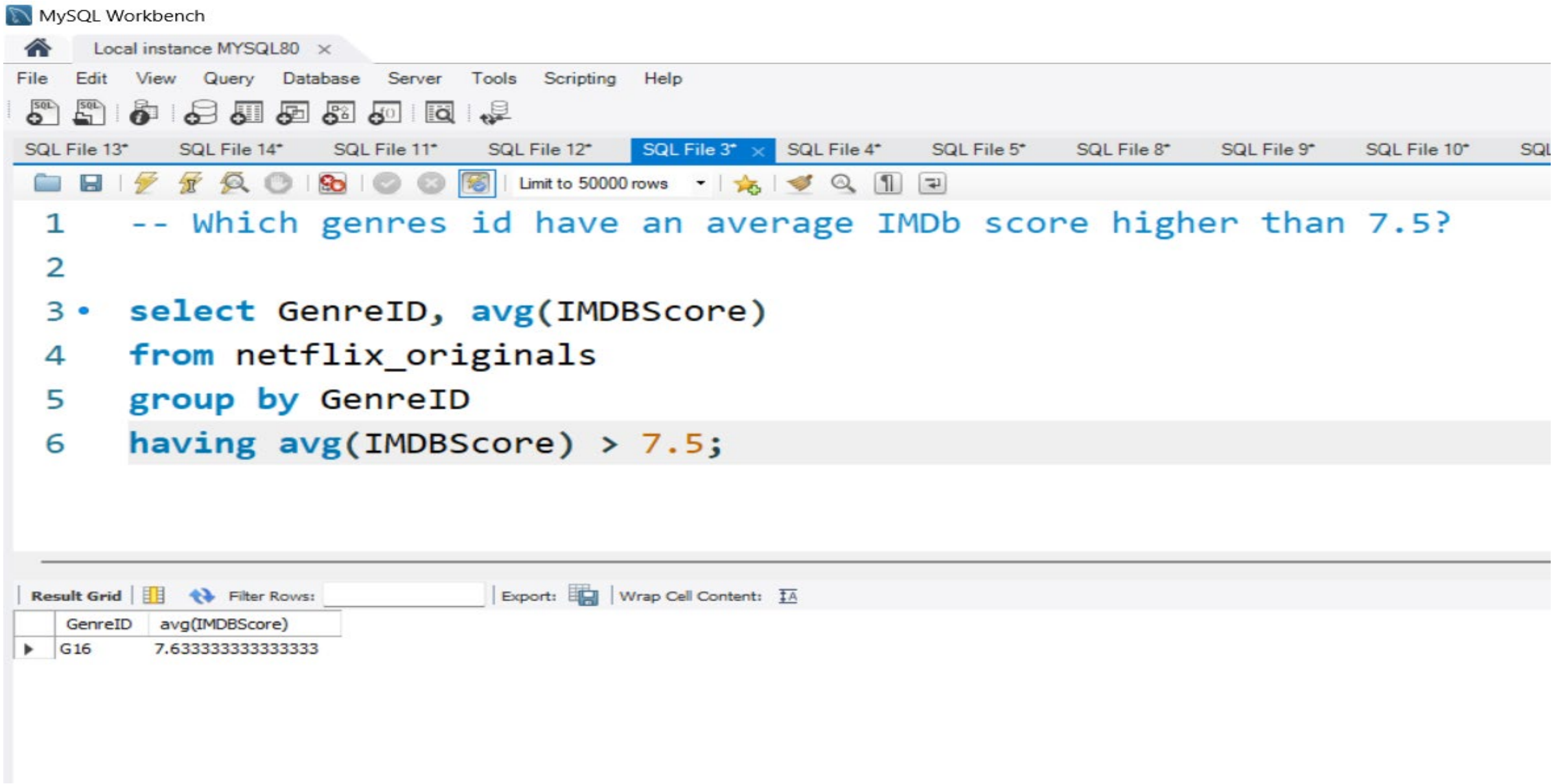
QUERY - 01


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10*
Limit to 50000 rows
1 -- Display the title whoes runtime is more than 100.
2
3 • select Title, Runtime
4 from netflix_originals
5 where Runtime > 100;
6
Result Grid Filter Rows: Export: Wrap Cell Content:
Title Runtime
Drive 147
Leyla Everlasting 112
The Last Days of American Crime 149
Sardar Ka Grandson 139
The Call 112
All Because of You 101
Ghost Stories 144
The Last Thing He Wanted 115
What Happened to Mr. Cha? 102
The Girl on the Train 120
Thunder Force 105
Seriously Single 107
Finding Agnes 105
Christmas Crossfire 106
Mrs. Serial Killer 106
Nobody Sleeps in the Woods To... 103
flix_originals 1
Output

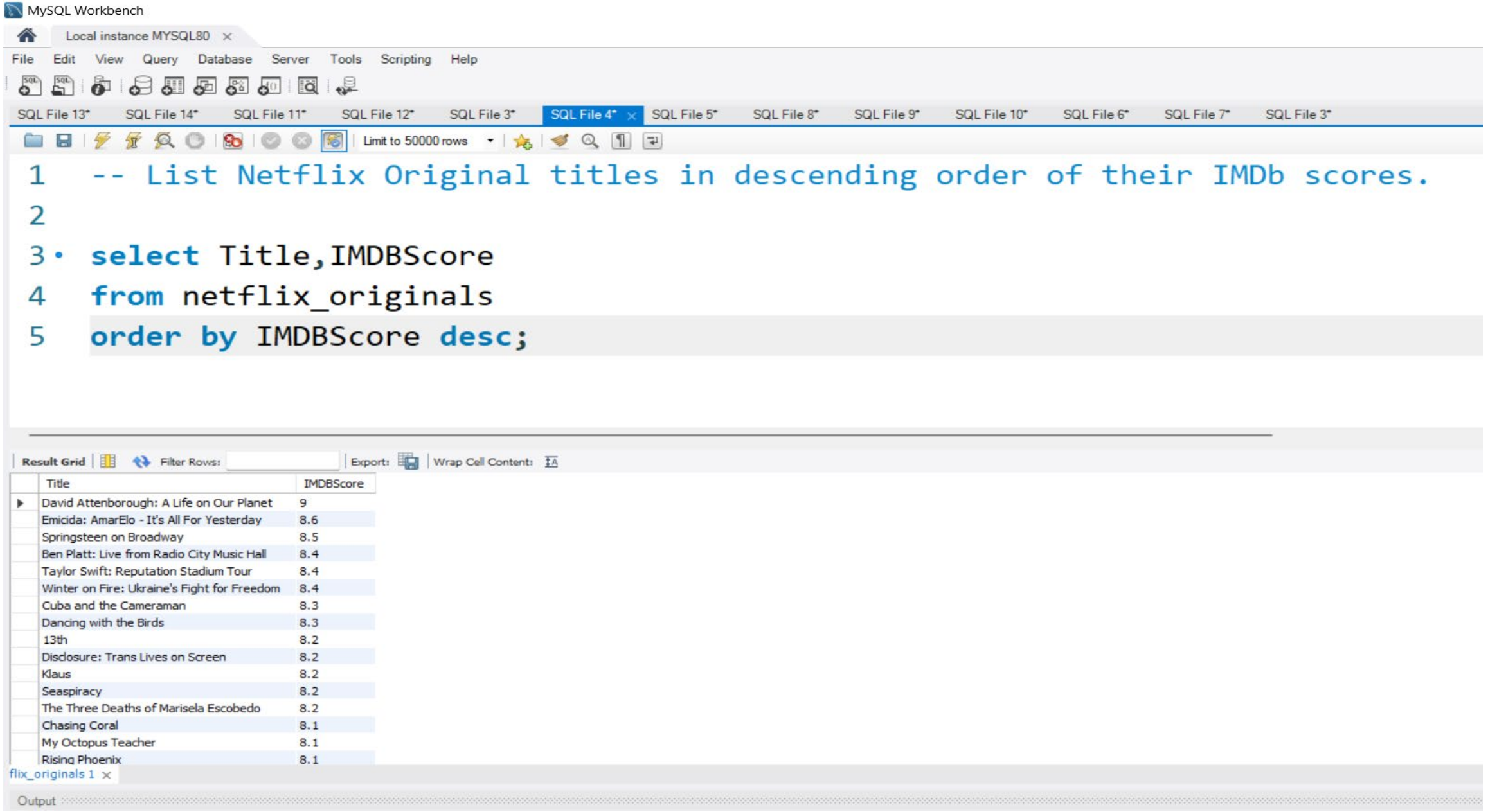
QUERY - 02


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6*
Limit to 50000 rows
1 -- Display title whoes runtime between 50 to 150.
2
3 • select Title, Runtime
4 from netflix_originals
5 where Runtime between 50 and 150;
Result Grid Filter Rows: Export: Wrap Cell Content:
Title Runtime
Enter the Anime 58
Dark Forces 81
The App 79
The Open House 94
Kaali Khuhi 90
Drive 147
Leyla Everlasting 112
The Last Days of American Crime 149
Paradox 73
Sardar Ka Grandson 139
Searching for Sheela 58
The Call 112
Whipped 97
All Because of You 101
Mercy 90
Ghost Stories 144
netflix_originals 2
Output

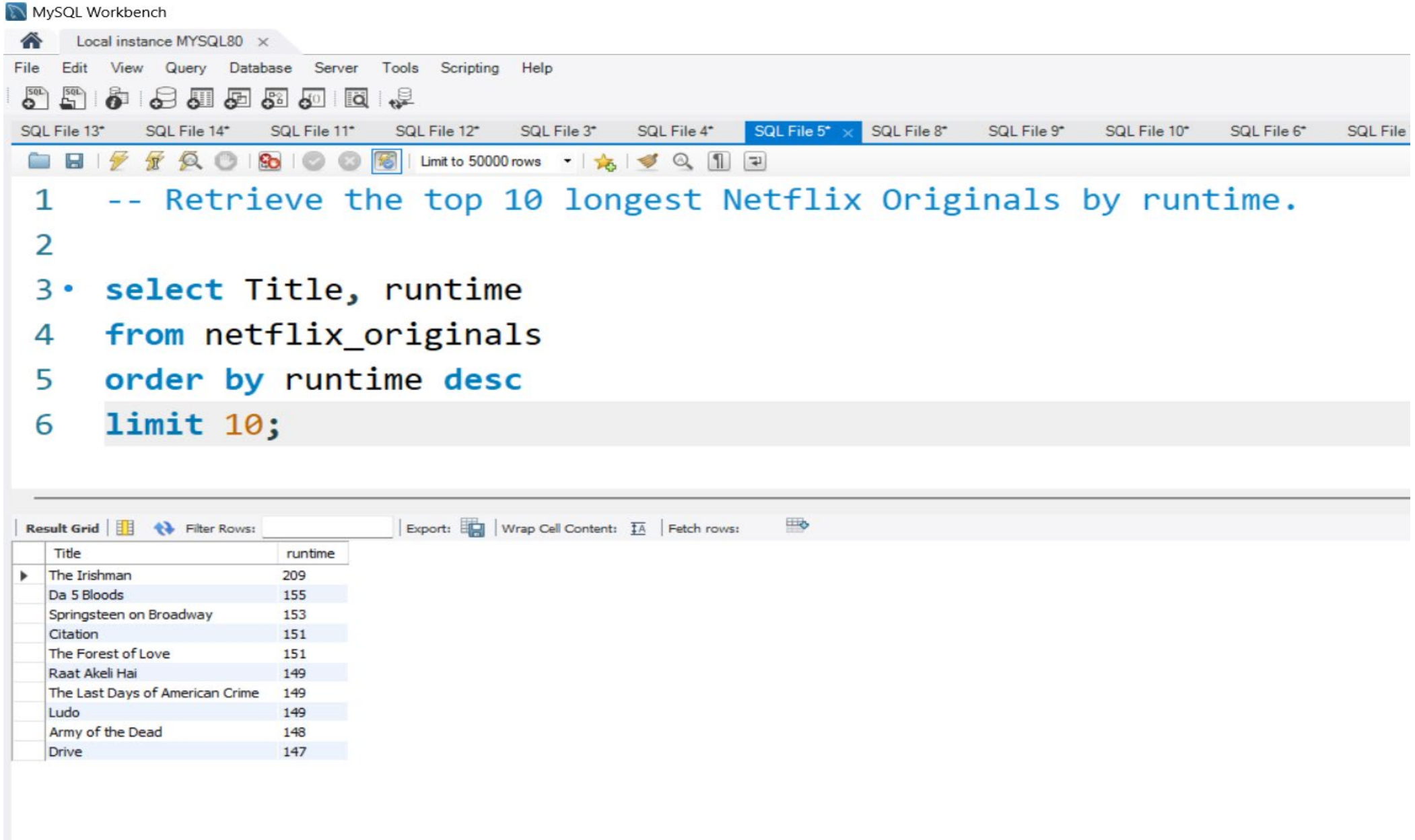
QUERY - 03


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10*
Limit to 50000 rows
1 -- Which genres id have an average IMDb score higher than 7.5?
2
3 • select GenreID, avg(IMDBScore)
4 from netflix_originals
5 group by GenreID
6 having avg(IMDBScore) > 7.5;
Result Grid Filter Rows: Export: Wrap Cell Content:
GenreID avg(IMDBScore)
G16 7.633333333333333

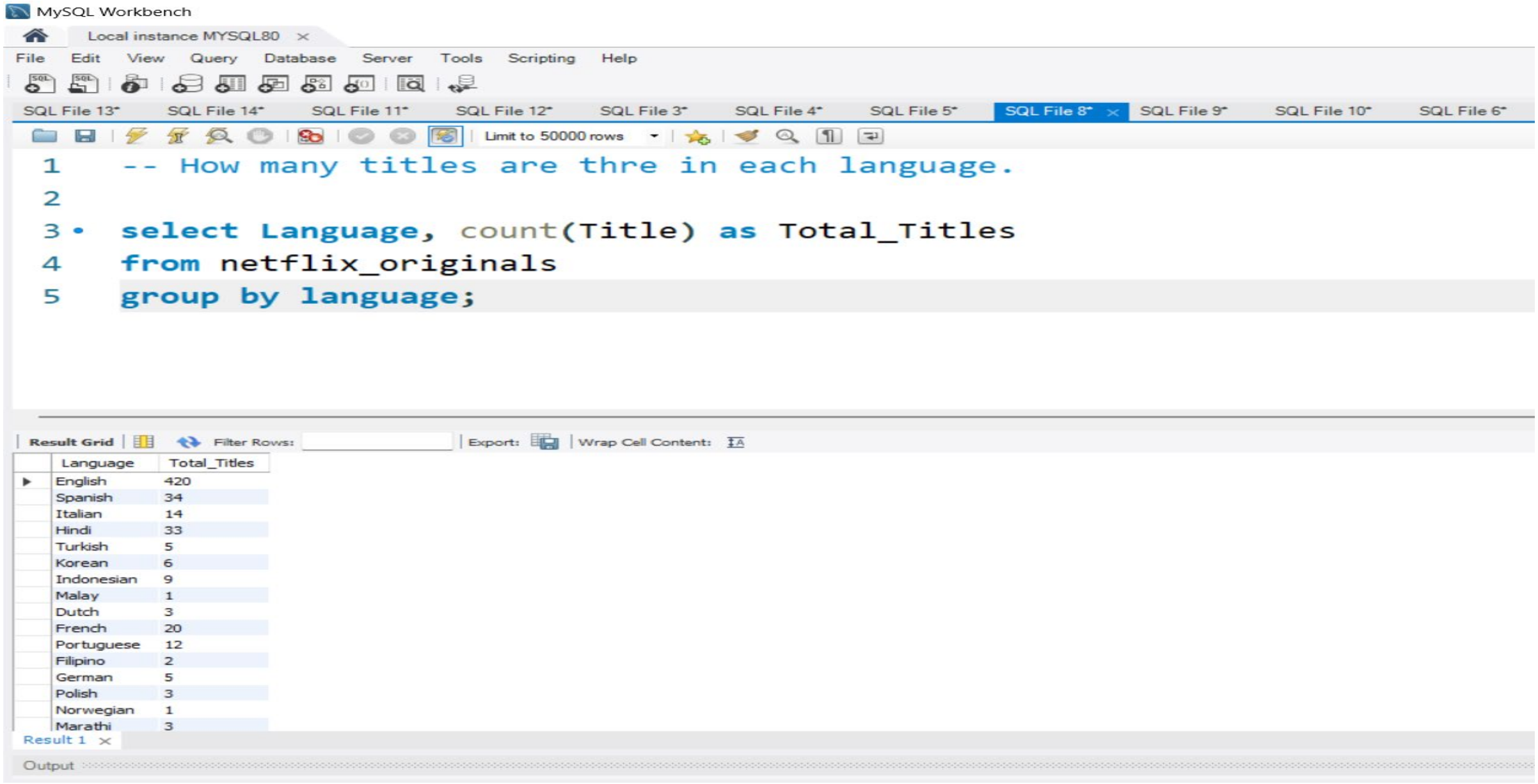
QUERY - 04


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3*
Limit to 50000 rows
1 -- List Netflix Original titles in descending order of their IMDb scores.
2
3 select Title,IMDBScore
4 from netflix_originals
5 order by IMDBScore desc;
Result Grid Filter Rows: Export: Wrap Cell Content:
Title IMDBScore
David Attenborough: A Life on Our Planet 9
Emicida: AmarElo - It's All For Yesterday 8.6
Springsteen on Broadway 8.5
Ben Platt: Live from Radio City Music Hall 8.4
Taylor Swift: Reputation Stadium Tour 8.4
Winter on Fire: Ukraine's Fight for Freedom 8.4
Cuba and the Cameraman 8.3
Dancing with the Birds 8.3
13th 8.2
Disclosure: Trans Lives on Screen 8.2
Klaus 8.2
Seaspiracy 8.2
The Three Deaths of Marisela Escobedo 8.2
Chasing Coral 8.1
My Octopus Teacher 8.1
Rising Phoenix 8.1
flix_originals 1
Output

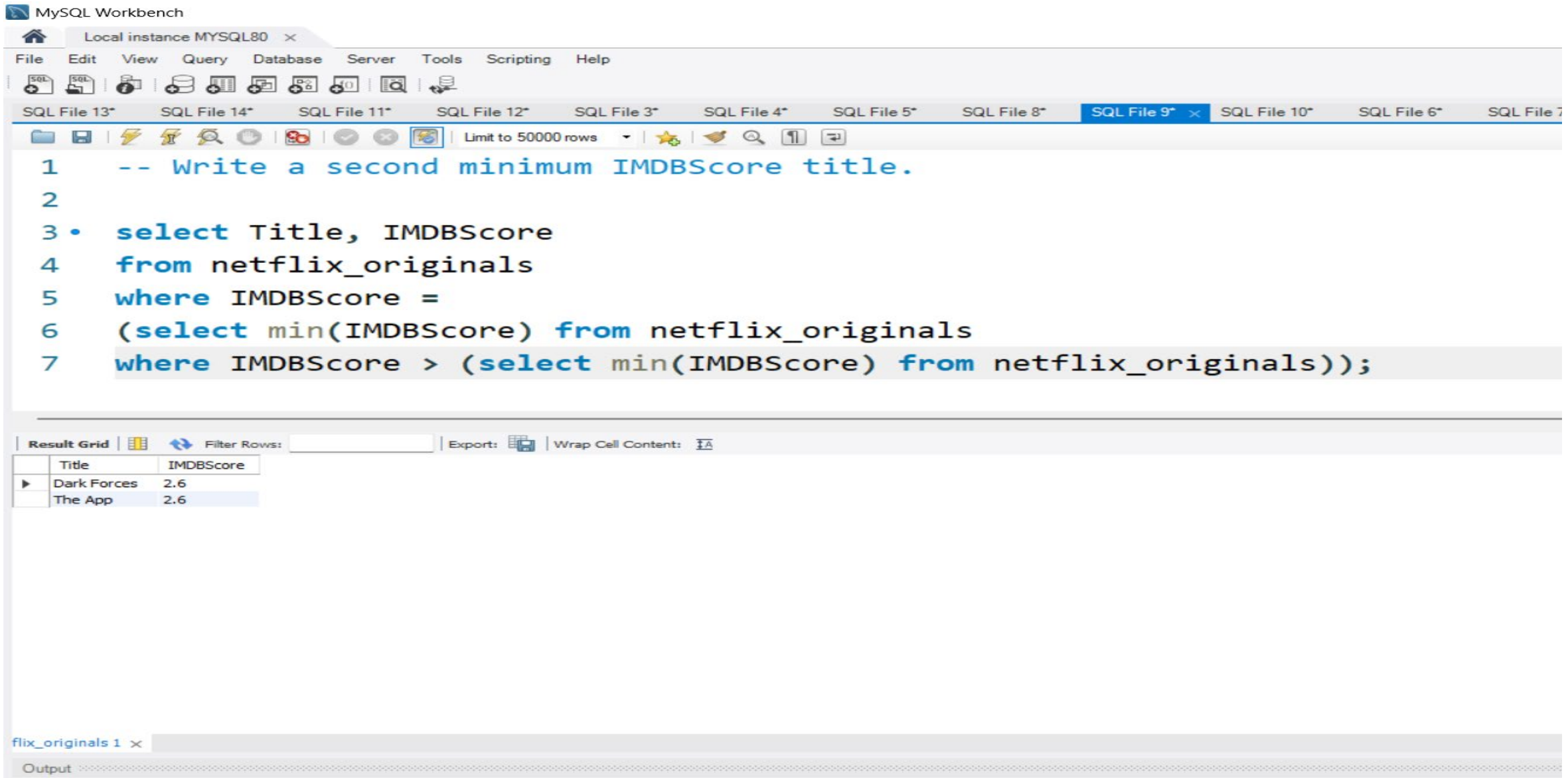
QUERY - 05


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File
Limit to 50000 rows
1 -- Retrieve the top 10 longest Netflix Originals by runtime.
2
3 select Title, runtime
4 from netflix_originals
5 order by runtime desc
6 limit 10;
Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:
Title runtime
The Irishman 209
Da 5 Bloods 155
Springsteen on Broadway 153
Citation 151
The Forest of Love 151
Raat Akeli Hai 149
The Last Days of American Crime 149
Ludo 149
Army of the Dead 148
Drive 147

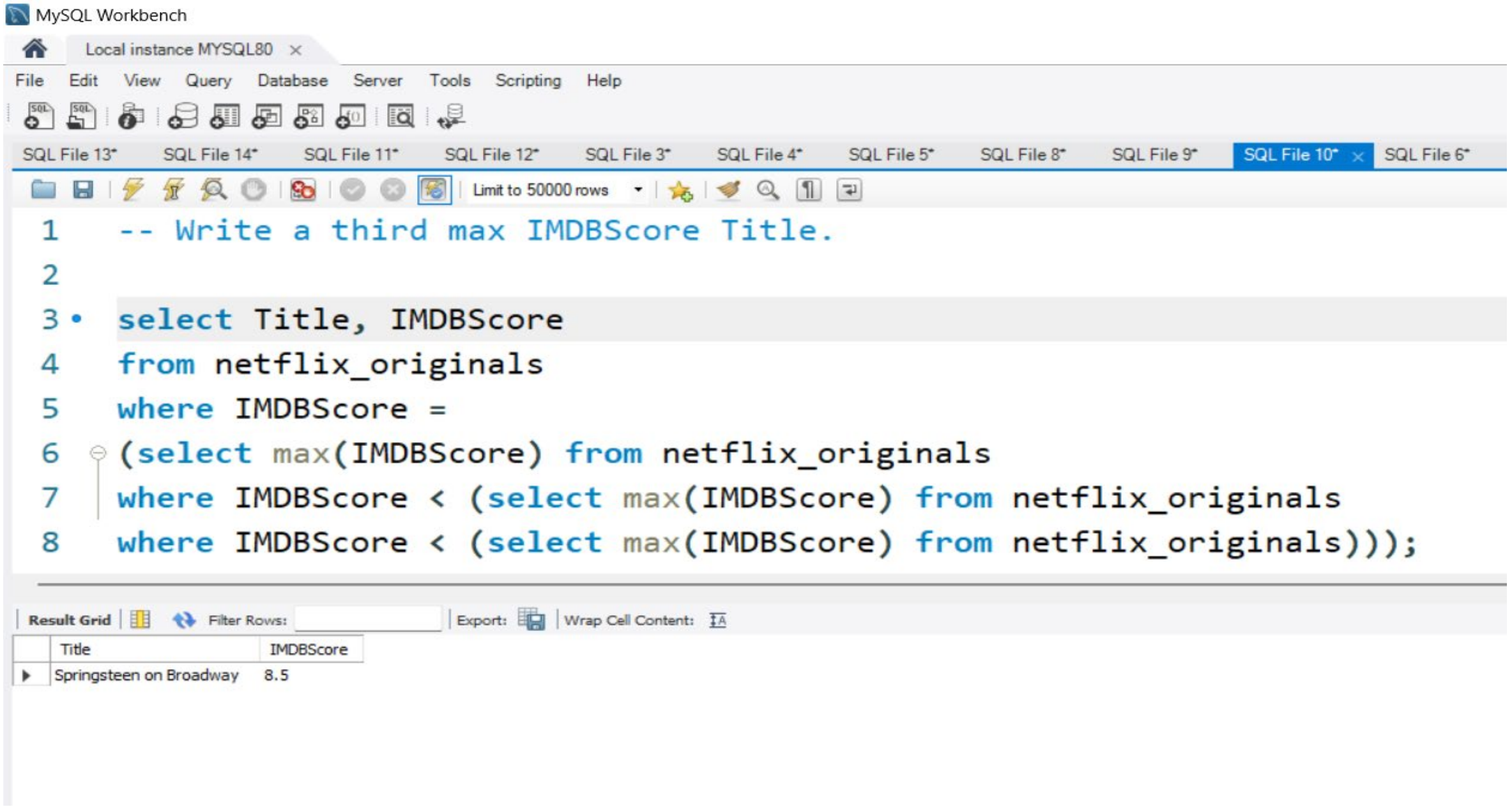
QUERY - 07


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6*
Limit to 50000 rows
1 -- How many titles are thre in each language.
2
3 • select Language, count(Title) as Total_Titles
4 from netflix_originals
5 group by language;
Result Grid Filter Rows: Export: Wrap Cell Content:
Language Total_Titles
English 420
Spanish 34
Italian 14
Hindi 33
Turkish 5
Korean 6
Indonesian 9
Malay 1
Dutch 3
French 20
Portuguese 12
Filipino 2
German 5
Polish 3
Norwegian 1
Marathi 3
Result 1
Output

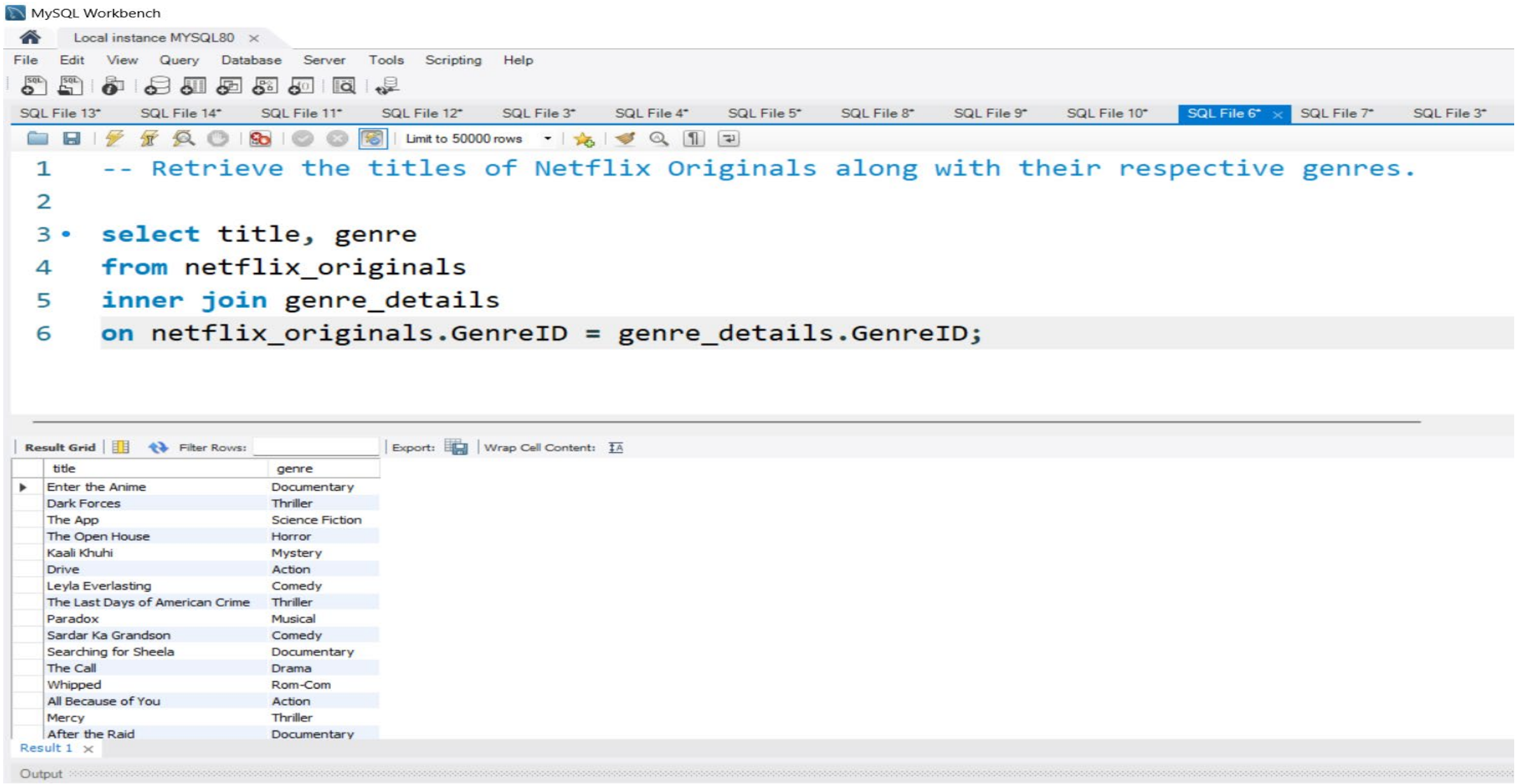
QUERY - 08


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6*
Limit to 50000 rows
1 -- Write a second minimum IMDBScore title.
2
3 • select Title, IMDBScore
4 from netflix_originals
5 where IMDBScore =
6 (select min(IMDBScore) from netflix_originals
7 where IMDBScore > (select min(IMDBScore) from netflix_originals));
Result Grid Filter Rows: Export: Wrap Cell Content:
Title IMDBScore
Dark Forces 2.6
The App 2.6
flix_originals 1
Output

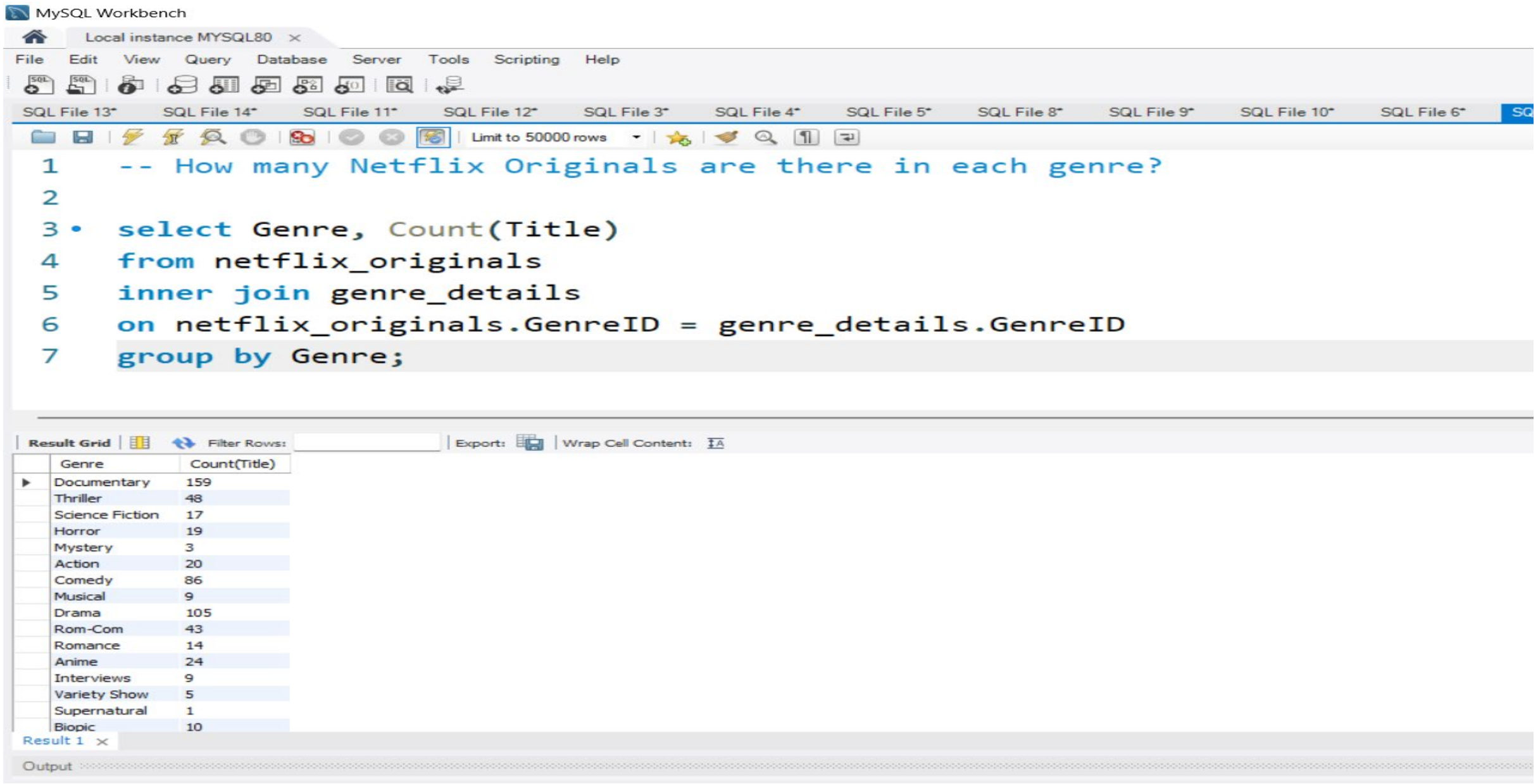
QUERY - 09


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6*
Limit to 50000 rows
1 -- Write a third max IMDBScore Title.
2
3 • select Title, IMDBScore
4 from netflix_originals
5 where IMDBScore =
6 (select max(IMDBScore) from netflix_originals
7 where IMDBScore < (select max(IMDBScore) from netflix_originals
8 where IMDBScore < (select max(IMDBScore) from netflix_originals)));
Result Grid Filter Rows: Export: Wrap Cell Content:
Title IMDBScore
Springsteen on Broadway 8.5

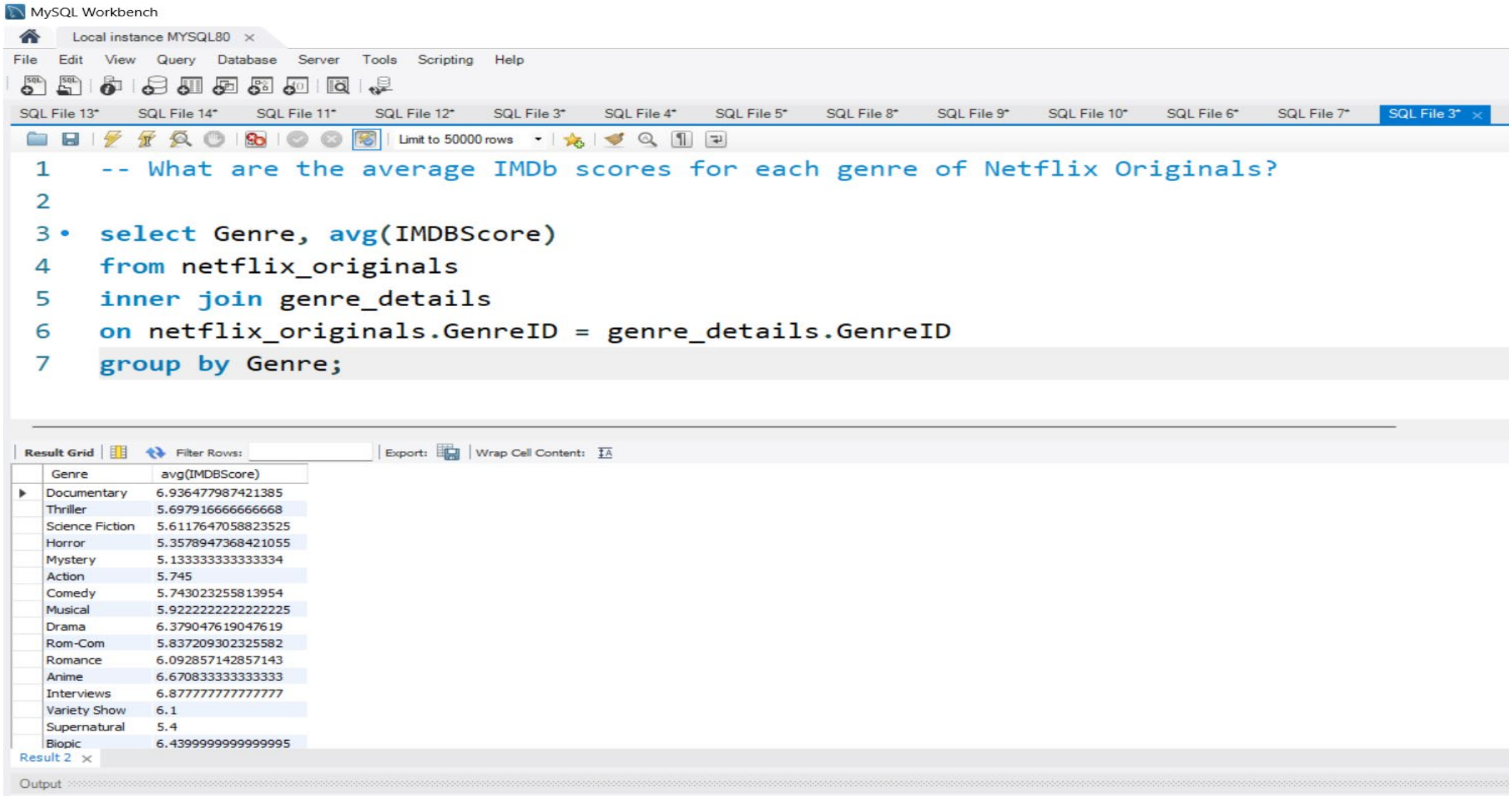
QUERY - 10


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3*
Limit to 50000 rows
1 -- Retrieve the titles of Netflix Originals along with their respective genres.
2
3 • select title, genre
4 from netflix_originals
5 inner join genre_details
6 on netflix_originals.GenreID = genre_details.GenreID;
Result Grid Filter Rows: Export: Wrap Cell Content:
title genre
Enter the Anime Documentary
Dark Forces Thriller
The App Science Fiction
The Open House Horror
Kaali Khuhi Mystery
Drive Action
Leyla Everlasting Comedy
The Last Days of American Crime Thriller
Paradox Musical
Sardar Ka Grandson Comedy
Searching for Sheela Documentary
The Call Drama
Whipped Rom-Com
All Because of You Action
Mercy Thriller
After the Raid Documentary
Result 1
Output

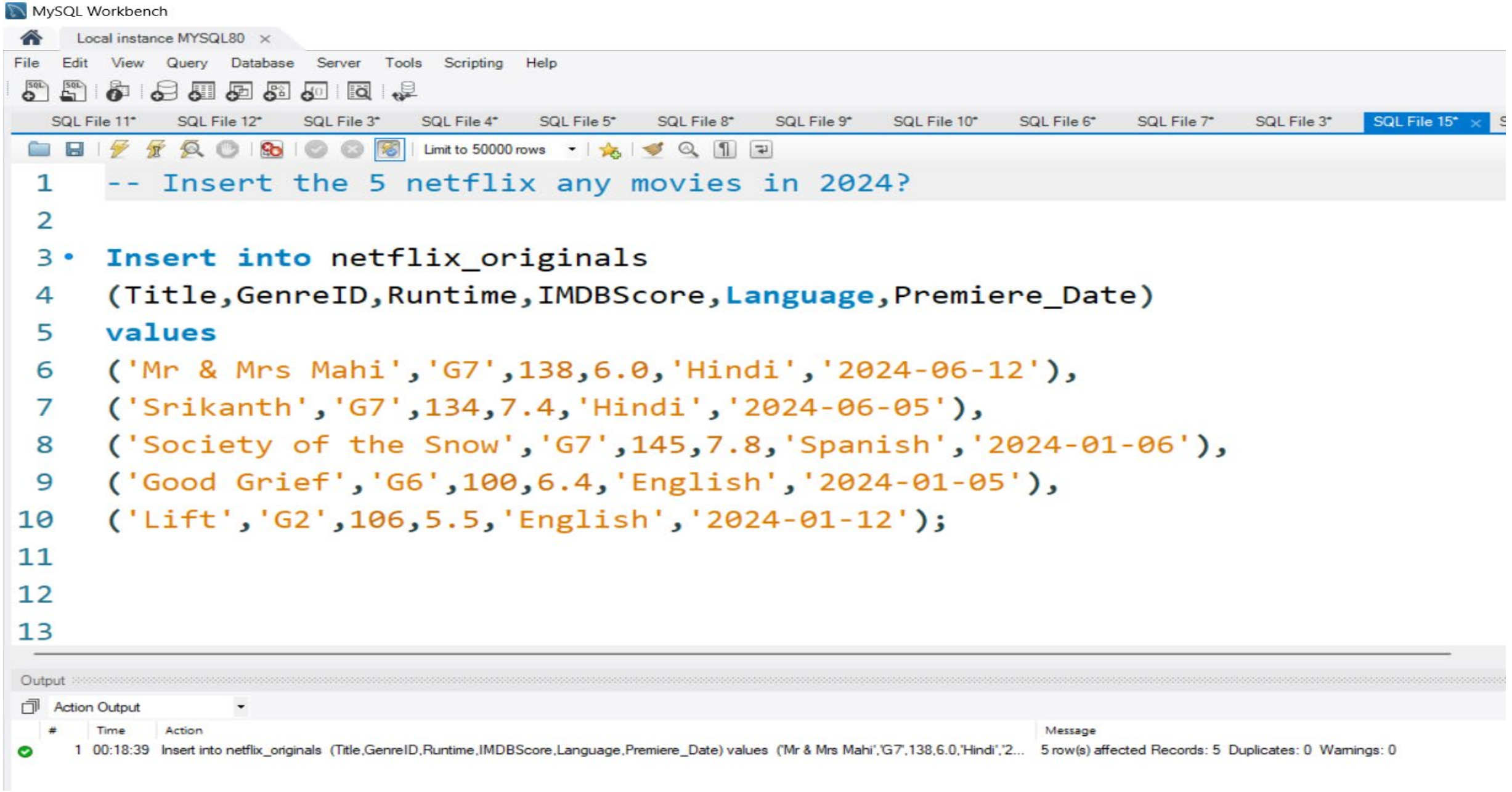
QUERY - 11


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6*
Limit to 50000 rows
1 -- How many Netflix Originals are there in each genre?
2
3 • select Genre, Count(Title)
4 from netflix_originals
5 inner join genre_details
6 on netflix_originals.GenreID = genre_details.GenreID
7 group by Genre;
Result Grid Filter Rows: Export: Wrap Cell Content:
Genre Count(Title)
Documentary 159
Thriller 48
Science Fiction 17
Horror 19
Mystery 3
Action 20
Comedy 86
Musical 9
Drama 105
Rom-Com 43
Romance 14
Anime 24
Interviews 9
Variety Show 5
Supernatural 1
Biopic 10
Result 1
Output

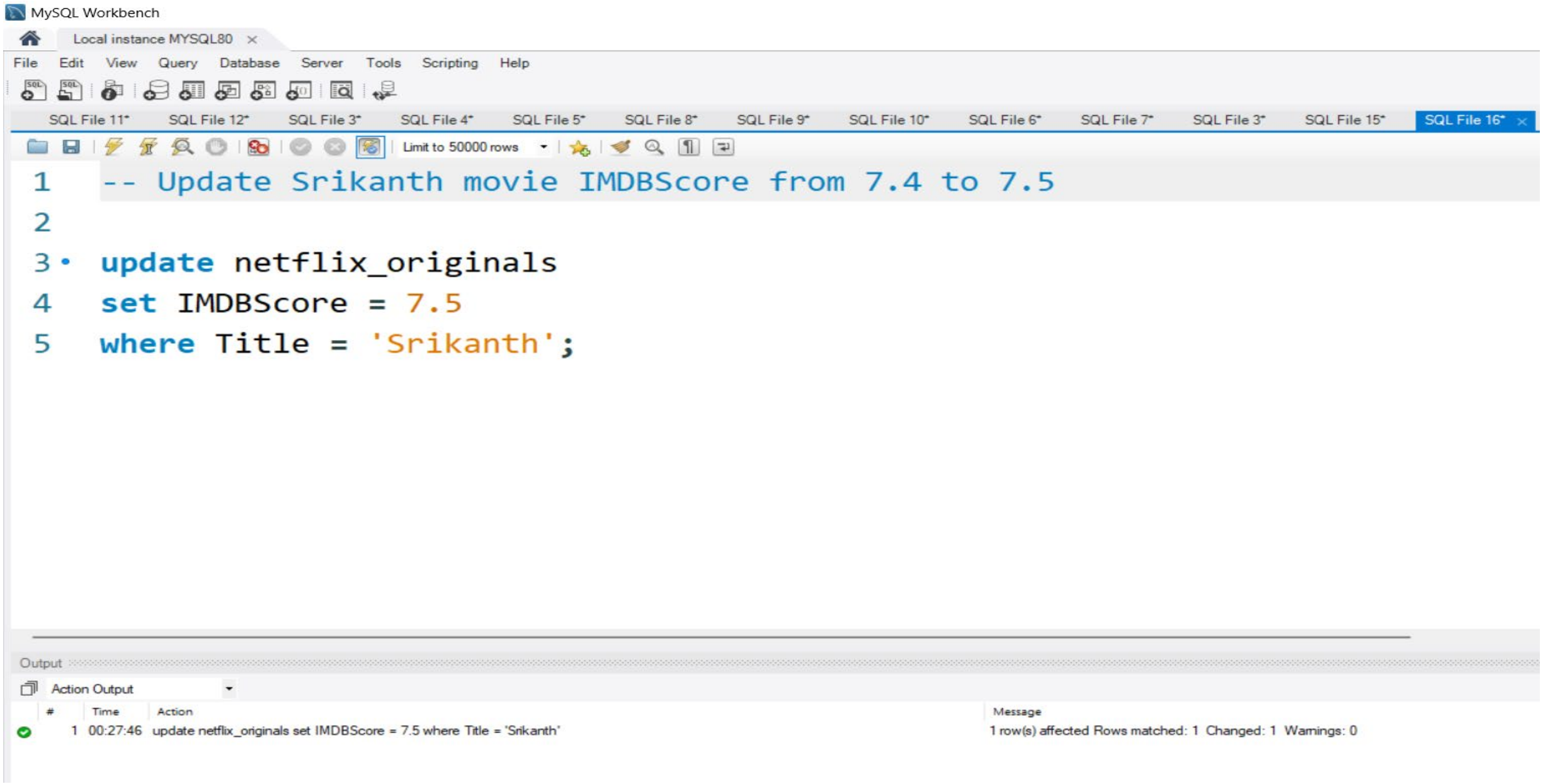
QUERY - 12


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 13* SQL File 14* SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3*
Limit to 50000 rows
1 -- What are the average IMDb scores for each genre of Netflix Originals?
2
3 • select Genre, avg(IMDBScore)
4 from netflix_originals
5 inner join genre_details
6 on netflix_originals.GenreID = genre_details.GenreID
7 group by Genre;
Result Grid Filter Rows: Export: Wrap Cell Content:
Genre avg(IMDBScore)
Documentary 6.936477987421385
Thriller 5.697916666666668
Science Fiction 5.6117647058823525
Horror 5.3578947368421055
Mystery 5.133333333333334
Action 5.745
Comedy 5.743023255813954
Musical 5.922222222222225
Drama 6.379047619047619
Rom-Com 5.837209302325582
Romance 6.092857142857143
Anime 6.670833333333333
Interviews 6.877777777777777
Variety Show 6.1
Supernatural 5.4
Biopic 6.4399999999999995
Result 2
Output

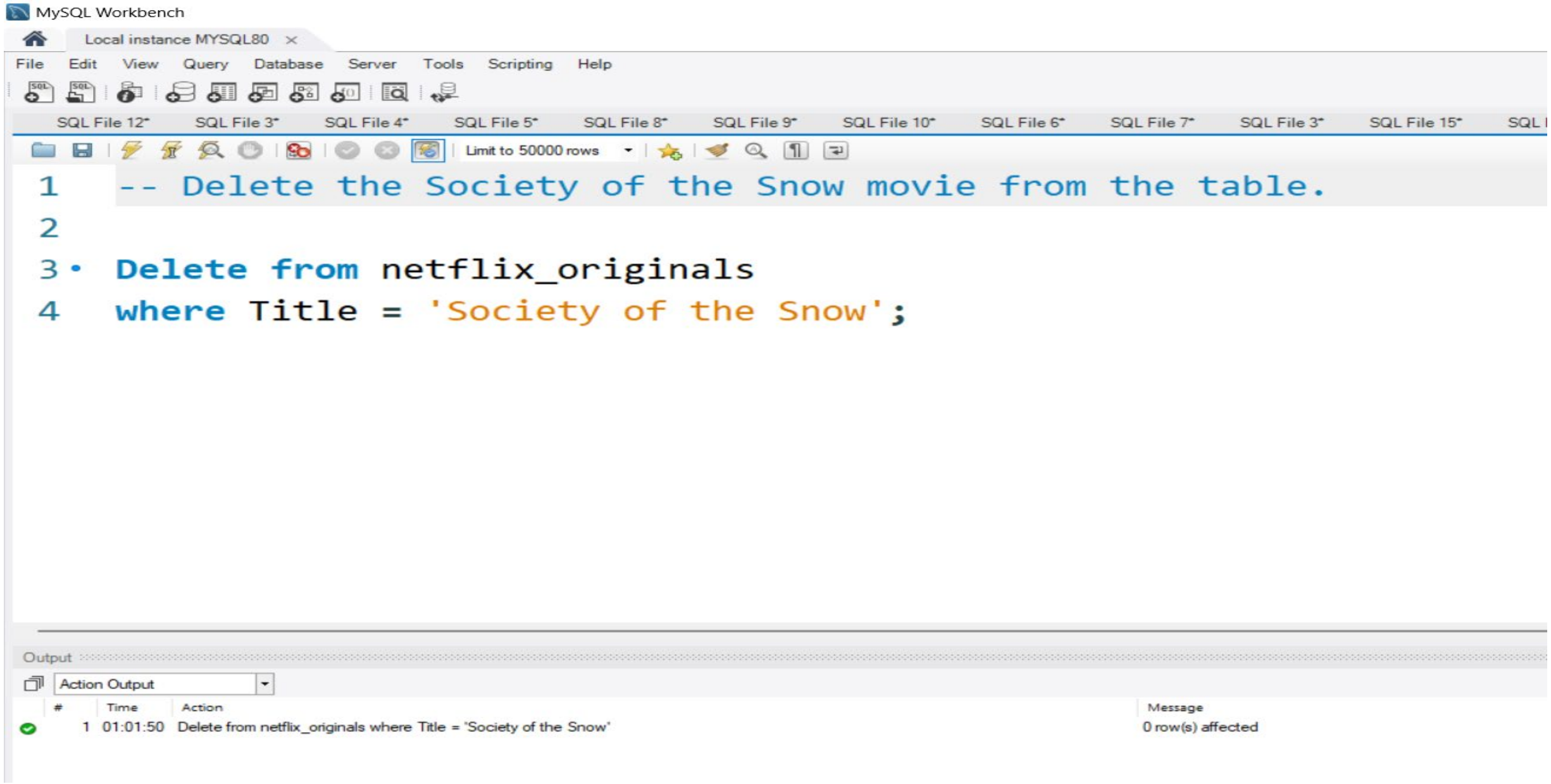
Query - 13


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3* SQL File 15*
Limit to 50000 rows
1 -- Insert the 5 netflix any movies in 2024?
2
3 • Insert into netflix_originals
4 (Title,GenreID,Runtime,IMDBScore,Language,Premiere_Date)
5 values
6 ('Mr & Mrs Mahi','G7',138,6.0,'Hindi','2024-06-12'),
7 ('Srikanth','G7',134,7.4,'Hindi','2024-06-05'),
8 ('Society of the Snow','G7',145,7.8,'Spanish','2024-01-06'),
9 ('Good Grief','G6',100,6.4,'English','2024-01-05'),
10 ('Lift','G2',106,5.5,'English','2024-01-12');
11
12
13
Output
Action Output
Time Action Message
1 00:18:39 Insert into netflix_originals (Title,GenreID,Runtime,IMDBScore,Language,Premiere_Date) values ('Mr & Mrs Mahi','G7',138,6.0,'Hindi','2... 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

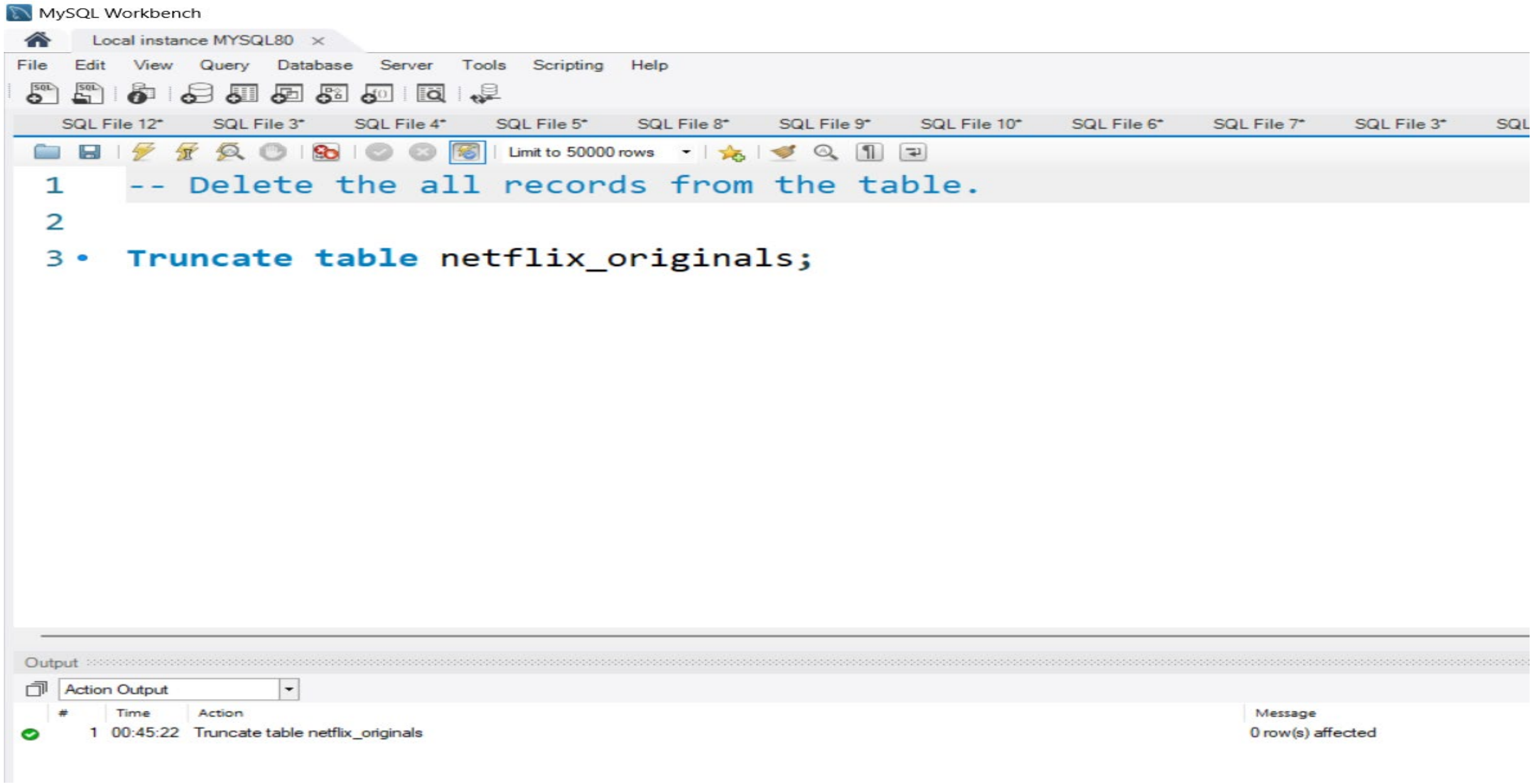
Query - 14


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 11* SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3* SQL File 15* SQL File 16*
Limit to 50000 rows
1 -- Update Srikanth movie IMDBScore from 7.4 to 7.5
2
3 update netflix_originals
4 set IMDBScore = 7.5
5 where Title = 'Srikanth';
Output
Action Output
Time Action Message
1 00:27:46 update netflix_originals set IMDBScore = 7.5 where Title = 'Srikanth' 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

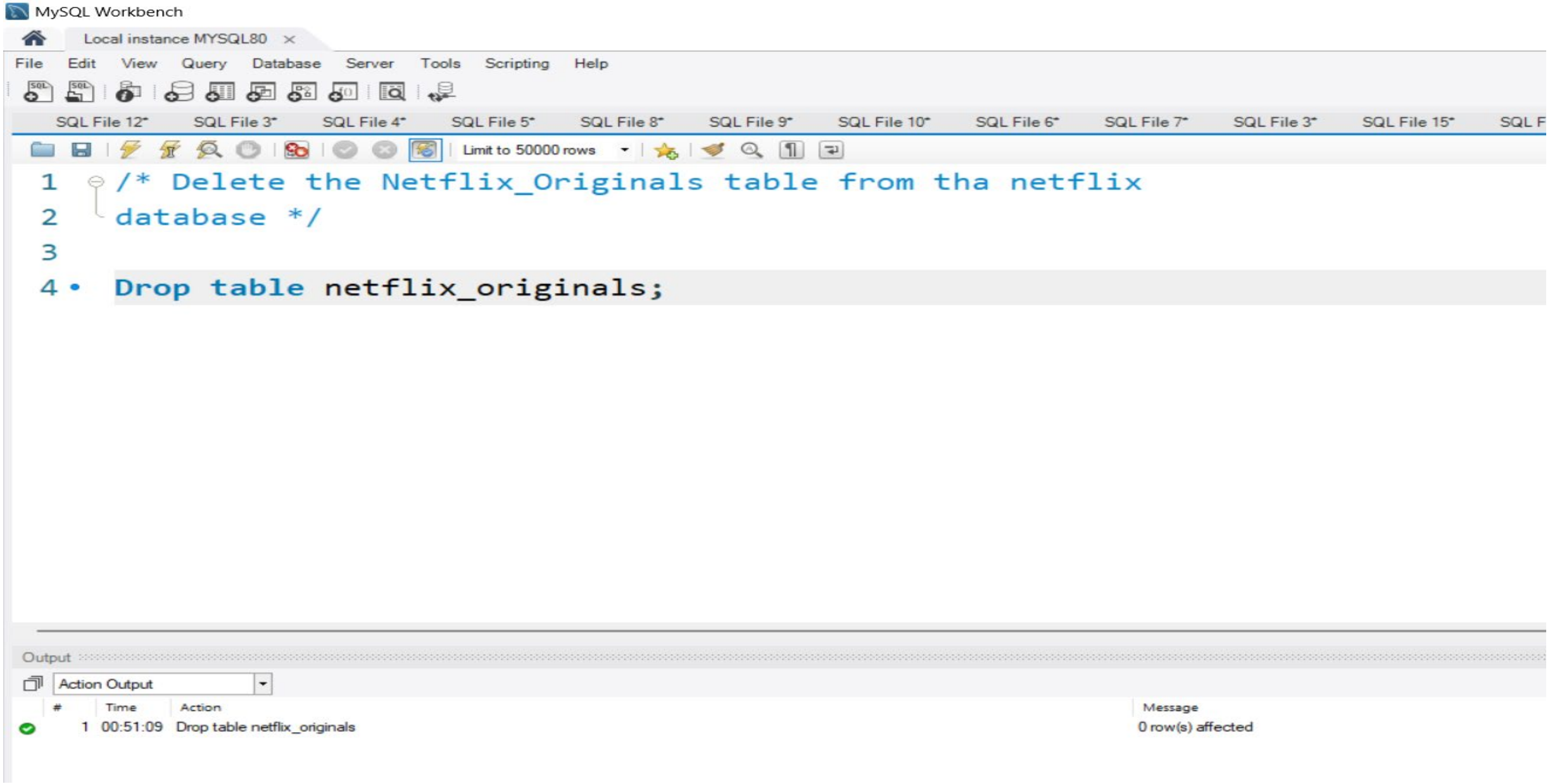
Query - 15


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3* SQL File 15*
Limit to 50000 rows
1 -- Delete the Society of the Snow movie from the table.
2
3 • Delete from netflix_originals
4 where Title = 'Society of the Snow';
Output
Action Output
Time Action Message
1 01:01:50 Delete from netflix_originals where Title = 'Society of the Snow' 0 row(s) affected

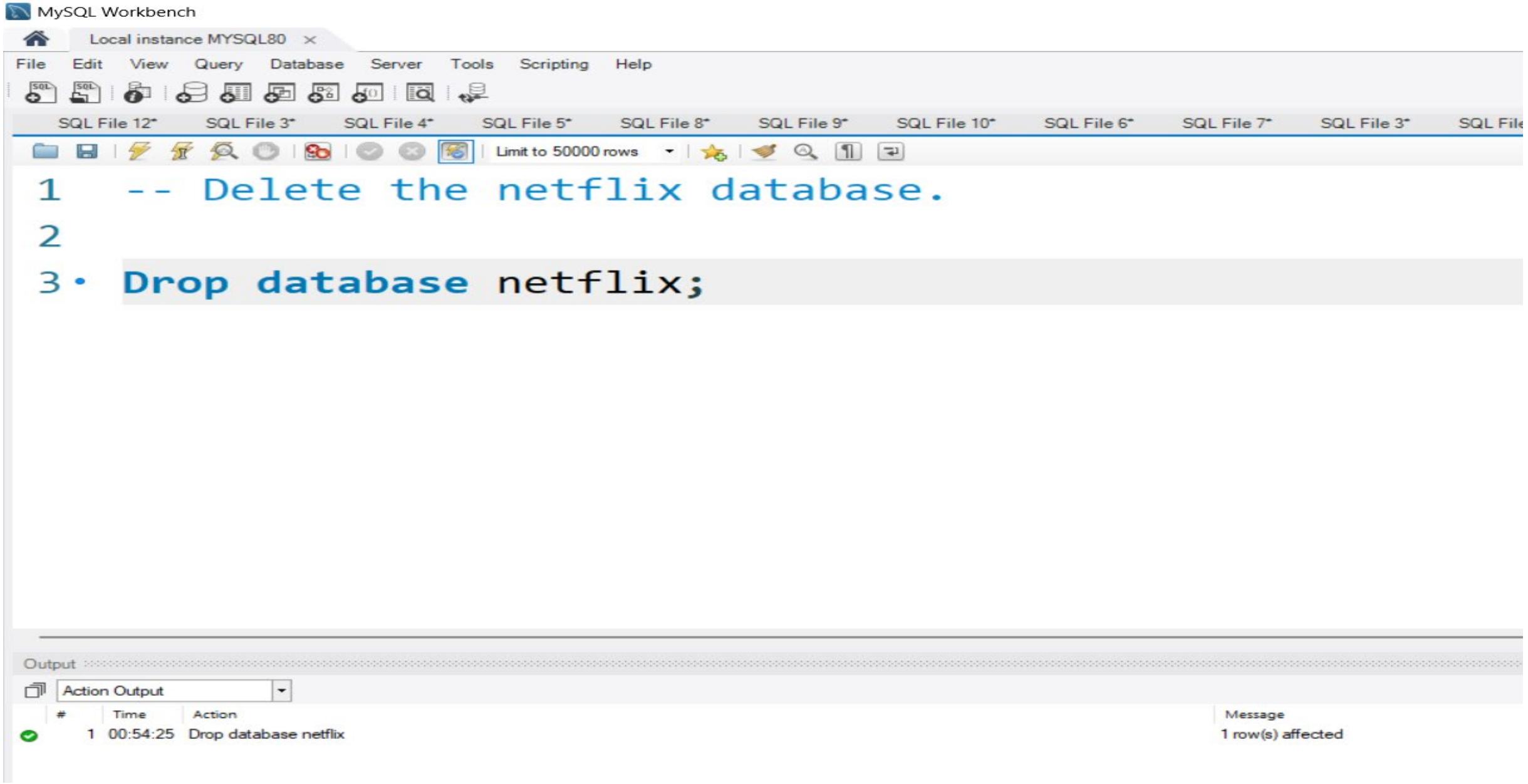
Query - 16


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3*
Limit to 50000 rows
1 -- Delete the all records from the table.
2
3 • Truncate table netflix_originals;
Output
Action Output
Time Action Message
1 00:45:22 Truncate table netflix_originals 0 row(s) affected

Query - 17


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3* SQL File 15*
Limit to 50000 rows
1 /* Delete the Netflix_Originals table from tha netflix
2 database */
3
4 • Drop table netflix_originals;
Output
Action Output
Time Action Message
1 00:51:09 Drop table netflix_originals 0 row(s) affected

Query - 18


MySQL Workbench
Local instance MYSQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 12* SQL File 3* SQL File 4* SQL File 5* SQL File 8* SQL File 9* SQL File 10* SQL File 6* SQL File 7* SQL File 3* SQL File
Limit to 50000 rows
1 -- Delete the netflix database.
2
3 Drop database netflix;
Output
Action Output
Time Action Message
1 00:54:25 Drop database netflix 1 row(s) affected

Conclusion

This project provided an in-depth analysis of the Netflix Originals dataset, focusing on various attributes such as title, genre, runtime, IMDb score, language, and premiere date. By creating and querying a database, we were able to extract meaningful insights that highlight trends and patterns in Netflix's original content.