

SQL CALLS:

1. Started with 194782 rows

Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1

```

1 SELECT basics.tconst, basics.primaryTitle, basics.titleType, basics.startYear, basics.genres, basics.runtimeMi
2 join ratings as ratings on basics.tconst = ratings.tconst
3
4 where startYear BETWEEN 1980 and 2020
5 and titleType = 'movie'
6 ORDER by startYear ASC;

```

	tconst	primaryTitle	titleType	startYear	genres	runtimeMi
1	tt0038687	Let There Be Light	movie	1980	Documentary,War	58
2	tt0068745	Intime Liebschaften	movie	1980	Adult,Comedy	93
3	tt0073604	Rana: The Legend of Shadow Lake	movie	1980	Adventure,Horror,Sci-Fi	96
4	tt0074994	Tempyo no iraka	movie	1980	Horror	120
5	tt0075006	The Treasure Seekers	movie	1980	Action,Adventure	88
6	tt0075332	Zärtlich, aber frech wie Oskar	movie	1980	Comedy	87

Execution finished without errors.
Result: 194782 rows returned in 19060ms
At line 1:
SELECT basics.tconst, basics.primaryTitle, basics.titleType, basics.startYear, basics.genres, basics.runtimeMinute
join ratings as ratings on basics.tconst = ratings.tconst

where startYear BETWEEN 1980 and 2020
and titleType = 'movie'
ORDER by startYear ASC;

```

1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpg13.ProdBudget, nashpg13.DomesticBO, nashpg13.WWBO, ratings.numVotes, ratings.averageRating from
2 JOIN nashpg13 on basics.startYear = nashpg13.startYear
3 JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "N"
9 AND ratings.numVotes > 100
10 AND ratings.averageRating < 7
11 AND nashpg13.DomesticBO > 50000000
12 GROUP by nashpg13.DomesticBO
13 ORDER by runtimeMinutes DESC;
14

```

	tconst	startYear	primaryTitle	genres	runtimeMinutes	ProdBudget	DomesticBO	WWBO	numVotes	averageRating
1	tt0323808	2011	The Wicker Tree	Drama,Horror	96	85000000	140371656	363664533	2692	3.8
2	tt0323808	2011	The Wicker Tree	Drama,Horror	96	97600000	117624357	224418748	2692	3.8
3	tt0329539	2014	Rice Girl	Adventure,Comedy,Family	95	125000000	316831246	798332900	115	5.6
4	tt0329539	2014	Rice Girl	Adventure,Comedy,Family	95	110000000	80001807	253020464	115	5.6
5	tt0081145	1993	Me and the Kid	Comedy,Crime,Drama	94	63000000	402523348	1045573035	275	5.3
6	tt0081145	1993	Me and the Kid	Comedy,Crime,Drama	94	44000000	183875760	353715317	275	5.3

Execution finished without errors.
Result: 137 rows returned in 24740ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpg13.ProdBudget, nashpg13.DomesticBO, nashpg13.WWBO, ratings.numVotes, ratings.averageRating from
basics
JOIN nashpg13 on basics.startYear = nashpg13.startYear
JOIN ratings on basics.tconst = ratings.tconst

WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "N"
AND ratings.numVotes > 100
AND ratings.averageRating < 7
AND nashpg13.DomesticBO > 50000000
GROUP by nashpg13.DomesticBO
ORDER by runtimeMinutes DESC;

2.

3.

Result: 412,381 rows and with duplicate rows

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpgl3.ProdBudget, nashpgl3.DomesticBO, nashpgl3.WWBO, ratings.numVotes, ratings.averageRating from
2 INNER JOIN nashpgl3 on basics.startYear = nashpgl3.startYear
3 INNER JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "N"
9 AND ratings.numVotes > 60
10 AND ratings.averageRating
11 AND nashpgl3.ProdBudget > 50000000
12 AND nashpgl3.WWBO < 1000000000;
13
14
```

	tconst	startYear	primaryTitle	genres	runtimeMinutes	ProdBudget	DomesticBO	WWBO	numVotes	averageRating
1	tt0035423	2001	Kate & Leopold	Comedy,Fantasy,Romance	118	67000000	23855569	44612280	84102	6.4
2	tt0035423	2001	Kate & Leopold	Comedy,Fantasy,Romance	118	205000000	58504105	362450957	84102	6.4
3	tt0059325	1990	Born in '45	Drama,Romance	100	60000000	82670733	157670733	247	6.4
4	tt062336	2020	The Tango of the Widower and Its Distorting ...	Drama	70	60000000	31165421	75965567	161	6.4
5	tt062336	2020	The Tango of the Widower and Its Distorting ...	Drama	70	100000000	56846802	126829063	161	6.4
6	tt064820	1989	The Plot Against Harry	Comedy,Crime	81	70000000	54243125	54243441	328	6.9

Execution finished without errors.
Result: 412,381 rows returned in 13324ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpgl3.ProdBudget, nashpgl3.DomesticBO, nashpgl3.WWBO, ratings.numVotes, ratings.averageRating from
basics
INNER JOIN nashpgl3 on basics.startYear = nashpgl3.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst

WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "N"
AND ratings.numVotes > 60
AND ratings.averageRating
AND nashpgl3.ProdBudget > 50000000
AND nashpgl3.WWBO < 1000000000;

Added columns; added component s group by with having" and updated components
RESULT: 88 ROWS WITH NO DUPLICATES

4. Rows reduced to 88.

SQL:

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpgl3.ProdBudget, nashpgl3.DomesticBO, nashpgl3.WWBO, ratings.numVotes, ratings.averageRating fr
2 INNER JOIN nashpgl3 on basics.startYear = nashpgl3.startYear
3 INNER JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "N"
9 AND ratings.numVotes > 60
10 AND ratings.averageRating
11 AND nashpgl3.ProdBudget > 50000000
12 AND nashpgl3.WWBO < 1000000000
13 GROUP by averageRating
14 HAVING averageRating < 10
15 ORDER by averageRating ASC;
```

	tconst	startYear	primaryTitle	genres	runtimeMinutes	ProdBudget	DomesticBO	WWBO	numVotes	averageRating
1	tt1028548	2007	Konjaku monogatari: The new edition	Comedy,Drama	88	80000000	50188370	135432019	527	1.0
2	tt0329794	2002	A Cosmic Adventure on Earth	Comedy	80	65000000	17291078	39194264	1153	1.1
3	tt0314134	2001	Gulczas, what do you think...	Comedy,Crime	100	67000000	23855569	44612280	1324	1.2
4	tt0267061	1996	Rollergator	Family	83	35000000	21226204	60269334	674	1.3
5	tt0473310	2007	Ram Gopal Varma Ki Aag	Action,Adventure,Comedy	171	80000000	50188370	135432019	6953	1.4
6	tt0112873	1995	A Story About Love	Drama,Romance	70	60000000	106429941	356429941	3147	1.5

Execution finished without errors.
Result: 88 rows returned in 25873ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpgl3.ProdBudget, nashpgl3.DomesticBO, nashpgl3.WWBO, ratings.numVotes, ratings.averageRating from
basics
INNER JOIN nashpgl3 on basics.startYear = nashpgl3.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst

WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "N"
AND ratings.numVotes > 60
AND ratings.averageRating
AND nashpgl3.ProdBudget > 50000000
AND nashpgl3.WWBO < 1000000000
GROUP by averageRating
HAVING averageRating < 10
ORDER by averageRating ASC;

5. Added PG Table and columns (financials). Still 88 rows

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpg.PProdBudget, nashpg.PDomesticBO, nashpg.PGWWBO, nashpg13.P13ProdBudget, nashpg13.P13DomesticBO, nashpg13.P13WWBO, nashR.RProdBudget, nashR.RDomesticBO, nashR.RWWBO, ratings.numVotes, ratings.averageRating
2 INNER JOIN nashpg13 on basics.startYear = nashpg13.startYear
3 INNER JOIN nashpg on basics.startYear = nashpg.startYear
4 INNER JOIN nashR on basics.startYear = nashR.startYear
5 INNER JOIN ratings on basics.tconst = ratings.tconst
6
7 WHERE basics.startYear BETWEEN 1980 and 2020
8 AND titleType = "movie"
9 AND basics.runtimeMinutes < 999
10 AND basics.runtimeMinutes <> "\N"
11 AND ratings.numVotes > 60
12 AND ratings.averageRating
13 GROUP by averageRating
14 HAVING averageRating < 10
15 ORDER by averageRating ASC;
```

	tconst	startYear	primaryTitle	genres	runtimeMinutes	PGProdBudget	PGDomesticBO	PGWWBO	PG13ProdBudget	PG13DomesticBO	PG13WWBO	RProdBudget	RDomesticBO	RWWBO	numVotes	averageRating
1	tt1306878	2019	Byogaj	Adventure	97	50000000	5801249	9726698	10000000	56094360	92094360	20000000	148761765	219265952	1153	6.8
2	tt0329794	2002	A Cosmic Adventure on Earth	Comedy	80	45000000	71423726	90523726	65000000	17291078	39194264	29000000	16007718	33013805	1153	6.8
3	tt0314134	2001	Gulczas, what do you think...	Comedy,Crime	100	46000000	126813153	298923419	67000000	23855569	44612280	30000000	145096820	286500000	1324	6.8
4	tt0207061	1996	Rollergator	Family	83	15000000	42734455	55534455	40000000	27663982	49627779	40000000	108766007	152266007	674	6.8
5	tt0238967	2000	Ennis' Gift	Documentary	51	31000000	82582604	106282604	45000000	10021787	37321081	24000000	57262492	85527867	173	6.8
6	tt0120214	1997	Danes Without a Clue	Comedy	79	10000000	9408183	9424052	35000000	63826569	83226569	80000000	112276146	241200000	2589	6.8

Execution finished without errors.
Result: 88 rows returned in 252127ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashpg.PProdBudget, nashpg.PDomesticBO, nashpg.PGWWBO, nashpg13.P13ProdBudget, nashpg13.P13DomesticBO, nashpg13.P13WWBO, nashR.RProdBudget, nashR.RDomesticBO, nashR.RWWBO, ratings.numVotes, ratings.averageRating from basics
INNER JOIN nashpg13 on basics.startYear = nashpg13.startYear
INNER JOIN nashpg on basics.startYear = nashpg.startYear
INNER JOIN nashR on basics.startYear = nashR.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst
WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "\N"
AND ratings.numVotes > 60
AND ratings.averageRating
GROUP by averageRating
HAVING averageRating < 10
ORDER by averageRating ASC;

6. Loaded rated R table. Same components as PG.

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashR.RProdBudget, nashR.RDomesticBO, nashR.RWWBO, ratings.numVotes, ratings.averageRating
2 INNER JOIN nashR on basics.startYear = nashR.startYear
3 INNER JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "\N"
9 AND ratings.numVotes > 60
10 AND ratings.averageRating
11 GROUP by averageRating
12 HAVING averageRating < 10
13 ORDER by averageRating ASC;
```

	tconst	startYear	primaryTitle	genres	runtimeMinutes	RProdBudget	RDomesticBO	RWWBO	numVotes	averageRating
1	tt1028548	2007	Konjaku monogatari: The new edition	Comedy,Drama	88	27500000	148761765	219265952	1153	6.8
2	tt0329794	2002	A Cosmic Adventure on Earth	Comedy	80	29000000	16007718	33013805	1153	6.8
3	tt0314134	2001	Gulczas, what do you think...	Comedy,Crime	100	30000000	145096820	286500000	1324	6.8
4	tt0207061	1996	Rollergator	Family	83	40000000	108766007	152266007	674	6.8
5	tt0238967	2000	Ennis' Gift	Documentary	51	24000000	57262492	85527867	173	6.8
6	tt0120214	1997	Danes Without a Clue	Comedy	79	80000000	112276146	241200000	2589	6.8

Execution finished without errors.
Result: 88 rows returned in 28014ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashR.RProdBudget, nashR.RDomesticBO, nashR.RWWBO, ratings.numVotes, ratings.averageRating from basics
INNER JOIN nashR on basics.startYear = nashR.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst
WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "\N"
AND ratings.numVotes > 60
AND ratings.averageRating
GROUP by averageRating
HAVING averageRating < 10
ORDER by averageRating ASC;

7. Loaded rated PG13 and same query as rated R. Issue: Some rows had the same information as PG13 query results.

SAME INFO

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashPG13.PG13ProdBudget, nashPG13.PG13Dome
2 INNER JOIN nashPG13 on basics.startYear = nashPG13.startYear
3 INNER JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "\N"
9 AND ratings.numVotes > 60
10 AND ratings.averageRating
11 GROUP by averageRating
12 HAVING averageRating < 10
13 ORDER by averageRating ASC;
14
15
```

tconst	startYear	primaryTitle	genres	runtimeMinutes	PG13ProdBudget	PG13DomesticBO	PG13WWBO
tt0138020	1991	Piata Universitatii - Romania	Documentary	72	50000000	165493908	390500000
tt0111161	1994	The Shawshank Redemption	Drama	142	35000000	33423000	99423000
tt10738796	2019	Time and motion	Documentary	84	10000000	56094360	92094360
tt10156610	2019	Ratne price sa Kosara	Documentary,History,War	107	10000000	56094360	92094360
tt10207588	2020	Floripes	Biography,Documentary	40	11000000	3493000	9814566
tt10895784	2018	Filthy Frank Final Full Lore Movie	Comedy	124	36000000	31016021	85309093

Execution finished without errors.
Result: 88 rows returned in 30221ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashPG13.PG13ProdBudget, nashPG13.PG13DomesticBO,
ratings.averageRating from basics
INNER JOIN nashPG13 on basics.startYear = nashPG13.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst
WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "\N"
AND ratings.numVotes > 60
AND ratings.averageRating
GROUP by averageRating
HAVING averageRating < 10
ORDER by averageRating ASC;

8. Changed/updated some components. Reduced from 88 to 47 rows for PG13

```
1 SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashPG13.PG13ProdBudget, nashPG13.PG13Dome
2 INNER JOIN nashPG13 on basics.startYear = nashPG13.startYear
3 INNER JOIN ratings on basics.tconst = ratings.tconst
4
5 WHERE basics.startYear BETWEEN 1980 and 2020
6 AND titleType = "movie"
7 AND basics.runtimeMinutes < 999
8 AND basics.runtimeMinutes <> "\N"
9 AND ratings.numVotes > 60
10 AND ratings.averageRating
11 GROUP by averageRating
12 HAVING averageRating > 4
13 ORDER by averageRating ASC;
14
15
```

tconst	startYear	primaryTitle	genres	runtimeMinutes	PG13ProdBudget	PG13DomesticBO	PG13WWBO
tt0138020	1991	Piata Universitatii - Romania	Documentary	72	50000000	165493908	390500000
tt0111161	1994	The Shawshank Redemption	Drama	142	35000000	33423000	99423000
tt10738796	2019	Time and motion	Documentary	84	10000000	56094360	92094360
tt10156610	2019	Ratne price sa Kosara	Documentary,History,War	107	10000000	56094360	92094360
tt10207588	2020	Floripes	Biography,Documentary	40	11000000	3493000	9814566
tt10895784	2018	Filthy Frank Final Full Lore Movie	Comedy	124	36000000	31016021	85309093

Execution finished without errors.
Result: 47 rows returned in 29723ms
At line 1:
SELECT basics.tconst, basics.startYear, basics.primaryTitle, basics.genres, basics.runtimeMinutes, nashPG13.PG13ProdBudget, nashPG13.PG13DomesticBO,
ratings.averageRating from basics
INNER JOIN nashPG13 on basics.startYear = nashPG13.startYear
INNER JOIN ratings on basics.tconst = ratings.tconst
WHERE basics.startYear BETWEEN 1980 and 2020
AND titleType = "movie"
AND basics.runtimeMinutes < 999
AND basics.runtimeMinutes <> "\N"
AND ratings.numVotes > 60
AND ratings.averageRating
GROUP by averageRating
HAVING averageRating > 5
ORDER by averageRating ASC;