

IMDB DATABASE:-

```
1. create database IMDBTA;
   Query OK, 1 row affected (0.00 sec)

2. use IMDBTA;
   Database changed

3. create table titlebasics(tconst varchar(20) primary key,
titleType varchar(20), primaryTitle varchar(50), originalTitle
varchar(50), isAdult int, startYear int, endYear int,
runtimeMinutes int, genres varchar(50));
   Query OK, 0 rows affected (0.52 sec)

4. desc titlebasics;
+-----+-----+-----+-----+-----+-----+
--+ | Field          | Type          | Null | Key | Default |
Extra |
+-----+-----+-----+-----+-----+-----+
--+ | tconst         | varchar(20)   | NO   | PRI | NULL     |
|
| | titleType      | varchar(20)   | YES  |     | NULL     |
|
| | primaryTitle   | varchar(50)   | YES  |     | NULL     |
|
| | originalTitle  | varchar(50)   | YES  |     | NULL     |
|
| | isAdult        | int(11)       | YES  |     | NULL     |
|
| | startYear      | int(11)       | YES  |     | NULL     |
|
| | endYear        | int(11)       | YES  |     | NULL     |
|
| | runtimeMinutes | int(11)       | YES  |     | NULL     |
|
| | genres         | varchar(50)   | YES  |     | NULL     |
|
+-----+-----+-----+-----+-----+-----+
--+
   9 rows in set (0.00 sec)
```

4.b python3 controller.py

```
f=open('titlebasics/data.tsv','r')
s=f.read().split('\n')[:20000]
f.close()
s1=[]
for i in s:
    i=list(i.split('\t'))
    j=i[-1].split(',')
```

```

        s1.append("\t".join(i[:-1]+[j[0]]))
s=s1
f1=open('titlebasics/data1.tsv','w')
f1.write("\n".join(s))
f1.close()

5. load data local infile "/home/tejkiran/DBMS mini Project
2/titlebasics/data1.tsv" into table titlebasics fields terminated
by '\t' lines terminated by '\n';
    Query OK, 20000 rows affected, 301 warnings (0.36 sec)
    Records: 20000 Deleted: 0 Skipped: 0 Warnings: 301

6. create table namebasics(nconst varchar(20) primary key,
primaryName varchar(50), birthYear int, deathYear int,
primaryProfession varchar(50), knownForTitles varchar(20),
foreign key namebasics(knownForTitles) references
titlebasics(tconst));
    Query OK, 0 rows affected (0.58 sec)

7. desc namebasics;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nconst         | varchar(20)   | NO   | PRI | NULL     |       |
| primaryName    | varchar(50)   | YES  |     | NULL     |       |
| birthYear      | int(11)       | YES  |     | NULL     |       |
| deathYear      | int(11)       | YES  |     | NULL     |       |
| primaryProfession | varchar(50)   | YES  |     | NULL     |       |
| knownForTitles | varchar(20)   | YES  | MUL | NULL     |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

7.b
f=open('namebasics/data.tsv','r')
s=f.read().split('\n')[:2779]
f.close()
s1=[]
for i in s:
    i=list(i.split('\t'))
    j1=i[-2].split(',')
    j2=i[-1].split(',')
    s1.append("\t".join(i[:-2]+[j1[0]]+[j2[0]]))

```

```
s=s1
f1=open('namebasics/data1.tsv','w')
f1.write("\n".join(s))
f1.close()
```

8. load data local infile "/home/tejkiran/DBMS mini Project 2/namebasics/data1.tsv" into table namebasics fields terminated by '\t' lines terminated by '\n';
 Query OK, 19727 rows affected, 272 warnings (6.92 sec)
 Records: 19999 Deleted: 0 Skipped: 272 Warnings: 272

9. create table ratings(tconst varchar(20), averageRating float, numVotes int, foreign key ratings(tconst) references titlebasics(tconst));
 Query OK, 0 rows affected (0.70 sec)

10. desc ratings;

Field	Type	Null	Key	Default	Extra
tconst	varchar(20)	YES	MUL	NULL	
averageRating	float	YES		NULL	
numVotes	int(11)	YES		NULL	

3 rows in set (0.00 sec)

11. load data local infile "/home/tejkiran/DBMS mini Project 2/ratings/data1.tsv" into table ratings fields terminated by '\t' lines terminated by '\n';
 Query OK, 4807 rows affected (2.71 sec)
 Records: 4807 Deleted: 0 Skipped: 0 Warnings: 0

12. create table crew(tconst varchar(20), director varchar(50), writer varchar(50), foreign key crew(tconst) references titlebasics(tconst));
 Query OK, 0 rows affected (0.66 sec)

12. desc crew;

Field	Type	Null	Key	Default	Extra
tconst	varchar(20)	YES	MUL	NULL	
director	varchar(50)	YES		NULL	
writer	varchar(50)	YES		NULL	

3 rows in set (0.00 sec)

13. load data local infile "/home/tejkiran/DBMS mini Project 2/crew/data1.tsv" into table crew fields terminated by '\t' lines terminated by '\n';

Query OK, 19999 rows affected (5.48 sec)

Records: 19999 Deleted: 0 Skipped: 0 Warnings: 0

14. Query1: Find the directorNames who are over 50 years of age whose movies have had a rating between 4 and 9 and titleType='short' or 'movie'

```
select distinct primaryName from namebasics join crew on
namebasics.nconst=crew.director join ratings on
crew.tconst=ratings.tconst join titlebasics on
ratings.tconst=titlebasics.tconst where namebasics.birthYear<=
1968 and ratings.averageRating>=4 and
titlebasics.titleType='short' or titlebasics.titleType='movie';
```

(A) with no indexing:

primaryName
William K.L. Dickson
Birt Acres
FructuÃfÃ³s Gelabert
Siegmund Lubin
G.W. Bitzer
Gilbert M. 'Broncho Billy' Anderson
D.W. Griffith
Herbert Beerbohm Tree
Michael Curtiz
Oscar Apfel
Cecil B. DeMille
Charles Chaplin
Roscoe 'Fatty' Arbuckle
Harry Carey
John G. Adolphi
Maurice Elvey
John Ford
Harry Davenport
Erich von Stroheim
Fritz Lang
Victor Schertzinger
F.W. Murnau
Carl Theodor Dreyer
John McDermott
Lillian Gish
Buster Keaton
William F. Adler
George Archainbaud
Rex Ingram

King Baggot	
Ludwig Berger	
Phil Rosen	
Dorothy Arzner	
Walt Disney	
Legaren ÅfÅ Hiller	
Sergei M. Eissenstein	
Kenji Mizoguchi	
Ivan Abramson	
Victor Adamson	
James P. Hogan	
Alan Hale	
Charles Lamont	
Alfred Hitchcock	
Howard Hawks	
Edwin B. DuPar	
Frank Capra	
Byron Haskin	
Grigoriy Aleksandrov	
Anthony Asquith	
Harry Langdon	
Marc AllÅfÅgret	
Nina Agadzhanova	
George Abbott	
Lionel Barrymore	

+-----+
54 rows in set (0.06 sec)

(B) with BTree indexing on titleType

```
alter table titlebasics add index index2(titleType);
Query OK, 0 rows affected (2.30 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
select distinct primaryName from namebasics join crew on
namebasics.nconst=crew.director join ratings on
crew.tconst=ratings.tconst join titlebasics on
ratings.tconst=titlebasics.tconst where namebasics.birthYear<=
1968 and ratings.averageRating>=4 and
titlebasics.titleType='short' or titlebasics.titleType='movie';
```

primaryName	
William K.L. Dickson	
Birt Acres	
FructuÅfÅ³s Gelabert	
Siegmund Lubin	
G.W. Bitzer	
Gilbert M. 'Broncho Billy' Anderson	
D.W. Griffith	
Herbert Beerbohm Tree	
Michael Curtiz	

Oscar Apfel	
Cecil B. DeMille	
Charles Chaplin	
Roscoe 'Fatty' Arbuckle	
Harry Carey	
John G. Adolphi	
Maurice Elvey	
John Ford	
Harry Davenport	
Erich von Stroheim	
Fritz Lang	
Victor Schertzinger	
F.W. Murnau	
Carl Theodor Dreyer	
John McDermott	
Lillian Gish	
Buster Keaton	
William F. Adler	
George Archainbaud	
Rex Ingram	
King Baggot	
Ludwig Berger	
Phil Rosen	
Dorothy Arzner	
Walt Disney	
Legaren ÅfÅ Hiller	
Sergei M. Eisenstein	
Kenji Mizoguchi	
Ivan Abramson	
Victor Adamson	
James P. Hogan	
Alan Hale	
Charles Lamont	
Alfred Hitchcock	
Howard Hawks	
Edwin B. DuPar	
Frank Capra	
Byron Haskin	
Grigoriy Aleksandrov	
Anthony Asquith	
Harry Langdon	
Marc AllÅfÅgret	
Nina Agadzhanova	
George Abbott	
Lionel Barrymore	

+-----+

54 rows in set (0.04 sec)

15. Query2: Find the top movieNames and its director, which is a non-adult comedy film, having averageRating > 3 and directed by a person whose name starts does not start with vowels sorted by its movienames.

```

select distinct titlebasics.primaryTitle,
namebasics.primaryName from namebasics join crew on
namebasics.nconst=crew.director join ratings on
crew.tconst=ratings.tconst join titlebasics on
ratings.tconst=titlebasics.tconst where titlebasics.isAdult=0 and
titlebasics.genres='comedy' and ratings.averageRating>3 and
namebasics.primaryName not like 'a%' and namebasics.primaryName
not like 'e%'and namebasics.primaryName not like 'i%'and
namebasics.primaryName not like 'o%'and namebasics.primaryName
not like 'u%' order by titlebasics.primaryTitle;

```

```

+-----+-----+-----+
| primaryTitle                                     |
primaryName                                     |
+-----+-----+-----+
| A Calamitous Elopement                           | D.W.
Griffith                                     |
| A Country Hero                                   |
Roscoe 'Fatty' Arbuckle                     |
| A Day's Pleasure                               |
Charles Chaplin                             |
| A Dog's Life                                   |
Charles Chaplin                             |
| A Gun Fightin' Gentleman                       | John
Ford                                       |
| A Hard Wash                                   |
William K.L. Dickson                       |
| A Jitney Elopement                           |
Charles Chaplin                             |
| A Night in the Show                           |
Charles Chaplin                             |
| A Night Out                                   |
Charles Chaplin                             |
| A Reckless Romeo                             |
Roscoe 'Fatty' Arbuckle                     |
| A Woman                                       |
Charles Chaplin                             |
| A Woman's Fool                               | John
Ford                                       |
| Alkali Ike's Auto                             |
Gilbert M. 'Broncho Billy' Anderson |
| An Awful Skate; or, The Hobo on Rollers       |
Gilbert M. 'Broncho Billy' Anderson |
| An Incompetent Hero                           |
Roscoe 'Fatty' Arbuckle                     |
| Back Stage                                   |
Roscoe 'Fatty' Arbuckle                     |
| Balked at the Altar                           | D.W.
Griffith                                     |
| Battling Butler                               |

```

Buster Keaton		
Behind the Screen		
Charles Chaplin		
Broadway Scandals		
George Archainbaud		
By the Sea		
Charles Chaplin		
Caught in the Rain		
Charles Chaplin		
Chimmie Fadden Out West		Cecil
B. DeMille		
Choosing a Husband		D.W.
Griffith		
College		
Buster Keaton		
Coney Island		
Roscoe 'Fatty' Arbuckle		
Cops		
Buster Keaton		
Dan the Dandy		D.W.
Griffith		
Don't Change Your Husband		Cecil
B. DeMille		
Dough and Dynamite		
Charles Chaplin		
Easy Street		
Charles Chaplin		
Eradicating Aunty		D.W.
Griffith		
Examination Day at School		D.W.
Griffith		
Father Gets in the Game		D.W.
Griffith		
Fatty and Mabel Adrift		
Roscoe 'Fatty' Arbuckle		
Fatty and Mabel at the San Diego Exposition		
Roscoe 'Fatty' Arbuckle		
Fatty and Mabel's Simple Life		
Roscoe 'Fatty' Arbuckle		
Fatty and Minnie He-Haw		
Roscoe 'Fatty' Arbuckle		
Fatty's Chance Acquaintance		
Roscoe 'Fatty' Arbuckle		
Fatty's Faithful Fido		
Roscoe 'Fatty' Arbuckle		
Fatty's Jonah Day		
Roscoe 'Fatty' Arbuckle		
Fatty's Magic Pants		
Roscoe 'Fatty' Arbuckle		
Fatty's New Role		
Roscoe 'Fatty' Arbuckle		
Fatty's Plucky Pup		

Roscoe 'Fatty' Arbuckle		
Fatty's Reckless Fling		
Roscoe 'Fatty' Arbuckle		
Fatty's Tintype Tangle		
Roscoe 'Fatty' Arbuckle		
Fig Leaves		
Howard Hawks		
Finances of the Grand Duke		F.W.
Murnau		
Gentlemen of Nerve		
Charles Chaplin		
Get Your Man		
Dorothy Arzner		
Getting Acquainted		
Charles Chaplin		
Getting Even		D.W.
Griffith		
Glad Rag Doll		
Michael Curtiz		
Go West		
Buster Keaton		
Good Night, Nurse!		
Roscoe 'Fatty' Arbuckle		
Hard Boiled		
Victor Schertzinger		
He Did and He Didn't		
Roscoe 'Fatty' Arbuckle		
Her First Biscuits		D.W.
Griffith		
His Musical Career		
Charles Chaplin		
His New Job		
Charles Chaplin		
His New Profession		
Charles Chaplin		
His Prehistoric Past		
Charles Chaplin		
His Trysting Place		
Charles Chaplin		
His Wedding Night		
Roscoe 'Fatty' Arbuckle		
His Wife's Mistakes		
Roscoe 'Fatty' Arbuckle		
In the Park		
Charles Chaplin		
Jones and the Lady Book Agent		D.W.
Griffith		
Just Pals		John
Ford		
Kane		Kenji
Mizoguchi		
Lady Helen's Escapade		D.W.

Griffith		
Laughing Gas		
Charles Chaplin		
Leading Lizzie Astray		
Roscoe 'Fatty' Arbuckle		
Leap Year		
Roscoe 'Fatty' Arbuckle		
Lightnin'		John
Ford		
Long Pants		Frank
Capra		
Love		
Roscoe 'Fatty' Arbuckle		
Love and Bullets		
Roscoe 'Fatty' Arbuckle		
Lover's Luck		
Roscoe 'Fatty' Arbuckle		
Mabel and Fatty's Married Life		
Roscoe 'Fatty' Arbuckle		
Mabel and Fatty's Wash Day		
Roscoe 'Fatty' Arbuckle		
Mabel's Wilful Way		
Roscoe 'Fatty' Arbuckle		
Mabel, Fatty and the Law		
Roscoe 'Fatty' Arbuckle		
Maid in Morocco		
Charles Lamont		
Miss Fatty's Seaside Lovers		
Roscoe 'Fatty' Arbuckle		
Monday Morning in a Coney Island Police Court		D.W.
Griffith		
Moonlight Follies		King
Baggot		
Moonshine		
Roscoe 'Fatty' Arbuckle		
Mr. Jones at the Ball		D.W.
Griffith		
Mr. Jones Has a Card Party		D.W.
Griffith		
Mrs. Jones Entertains		D.W.
Griffith		
Mrs. Jones' Lover; or, 'I Want My Hat'		D.W.
Griffith		
Muggsy's First Sweetheart		D.W.
Griffith		
Naughty Boy		
Charles Lamont		
Oh Doctor!		
Roscoe 'Fatty' Arbuckle		
One A.M.		
Charles Chaplin		
Out West		

Roscoe 'Fatty' Arbuckle		
Paid to Love		
Howard Hawks		
Pay Day		
Charles Chaplin		
Police		
Charles Chaplin		
Recreation		
Charles Chaplin		
Remodeling Her Husband		
Lillian Gish		
Riley the Cop		John
Ford		
Rip Van Winkle		
William K.L. Dickson		
Roped		John
Ford		
Sally of the Sawdust		D.W.
Griffith		
Saturday Night		Cecil
B. DeMille		
Say It with Sables		Frank
Capra		
Seven Chances		
Buster Keaton		
Shanghaied		
Charles Chaplin		
Shoulder Arms		
Charles Chaplin		
So This Is Love		Frank
Capra		
Special Delivery		
Roscoe 'Fatty' Arbuckle		
Stupid, But Brave		
Roscoe 'Fatty' Arbuckle		
Sunnyside		
Charles Chaplin		
Taming a Husband		D.W.
Griffith		
Thank You		John
Ford		
That Certain Thing		Frank
Capra		
That Little Band of Gold		
Roscoe 'Fatty' Arbuckle		
That Royle Girl		D.W.
Griffith		
The Adventurer		
Charles Chaplin		
The Affairs of Anatol		Cecil
B. DeMille		
The Awakening		D.W.

Griffith		
The Balloonatic		
Buster Keaton		
The Bank		
Charles Chaplin		
The Battle of the Sexes		D.W.
Griffith		
The Bell Boy		
Roscoe 'Fatty' Arbuckle		
The Bond		
Charles Chaplin		
The Butcher Boy		
Roscoe 'Fatty' Arbuckle		
The Champion		
Charles Chaplin		
The Chaser		Harry
Langdon		
The Christmas Burglars		D.W.
Griffith		
The Circus		
Charles Chaplin		
The Clubman and the Tramp		D.W.
Griffith		
The Cook		
Roscoe 'Fatty' Arbuckle		
The Count		
Charles Chaplin		
The Cradle Snatchers		
Howard Hawks		
The Cure		
Charles Chaplin		
The Day After		D.W.
Griffith		
The Englishman and the Girl		D.W.
Griffith		
The Face on the Barroom Floor		
Charles Chaplin		
The Fascinating Mrs. Francis		D.W.
Griffith		
The Fighting Dude		
Roscoe 'Fatty' Arbuckle		
The Fireman		
Charles Chaplin		
The Floorwalker		
Charles Chaplin		
The French Duel		D.W.
Griffith		
The Garage		
Roscoe 'Fatty' Arbuckle		
The Gibson Goddess		D.W.
Griffith		
The Goat		

Buster Keaton		
The Good-for-Nothing		
Gilbert M. 'Broncho Billy' Anderson		
The Hayseed		
Roscoe 'Fatty' Arbuckle		
The Idle Class		
Charles Chaplin		
The Immigrant		
Charles Chaplin		
The Italian Barber		D.W.
Griffith		
The Joneses Have Amateur Theatricals		D.W.
Griffith		
The Kid		
Charles Chaplin		
The Little Darling		D.W.
Griffith		
The Masquerader		
Charles Chaplin		
The Matinee Idol		Frank
Capra		
The Movies		
Roscoe 'Fatty' Arbuckle		
The New Janitor		
Charles Chaplin		
The Newlyweds		D.W.
Griffith		
The Paleface		
Buster Keaton		
The Parson's Widow		Carl
Theodor Dreyer		
The Pawnshop		
Charles Chaplin		
The Peachbasket Hat		D.W.
Griffith		
The Pest		
Gilbert M. 'Broncho Billy' Anderson		
The Pilgrim		
Charles Chaplin		
The Politician's Love Story		D.W.
Griffith		
The Property Man		
Charles Chaplin		
The Red Mill		
Roscoe 'Fatty' Arbuckle		
The Reformers; or, The Lost Art of Minding One's B		D.W.
Griffith		
The Rink		
Charles Chaplin		
The Rough House		
Roscoe 'Fatty' Arbuckle		
The Rounders		

Charles Chaplin		
The Scarecrow		
Buster Keaton		
The School Teacher and the Waif		D.W.
Griffith		
The Strong Man		Frank
Capra		
The Taming of the Shrew		D.W.
Griffith		
The Tramp		
Charles Chaplin		
The Vagabond		
Charles Chaplin		
The Waiters' Ball		
Roscoe 'Fatty' Arbuckle		
The Wooden Leg		D.W.
Griffith		
They Would Elope		D.W.
Griffith		
Those Awful Hats		D.W.
Griffith		
Those Country Kids		
Roscoe 'Fatty' Arbuckle		
Those Love Pangs		
Charles Chaplin		
Three's a Crowd		Harry
Langdon		
Tillie Wakes Up		Harry
Davenport		
Triple Trouble		
Charles Chaplin		
True Heart Susie		D.W.
Griffith		
Trying to Get Arrested		D.W.
Griffith		
Turn to the Right		Rex
Ingram		
Upstream		John
Ford		
Vice Versa		
Maurice Elvey		
What Happened to Rosa		
Victor Schertzinger		
What's His Name		Cecil
B. DeMille		
When Love Took Wings		
Roscoe 'Fatty' Arbuckle		
Why Change Your Wife?		Cecil
B. DeMille		
Wild Women		John
Ford		
Wilful Peggy		D.W.

```

Griffith          |
| Wished on Mabel          |
Roscoe 'Fatty' Arbuckle          |
| Woman in the Moon          | Fritz
Lang              |
| Work                      |
Charles Chaplin          |
+-----+-----+-----+-----+
-----+
203 rows in set (0.04 sec)

```

(B) with BTree indexing on titleType

```

alter table titlebasics add index index2(titleType);
Query OK, 0 rows affected (2.30 sec)
Records: 0  Duplicates: 0  Warnings: 0

```

```

show index from titlebasics;
+-----+-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+-----+-----+
---+-----+-----+-----+
| Table          | Non_unique | Key_name      | Seq_in_index |
Column_name | Collation | Cardinality | Sub_part | Packed | Null
| Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
| titlebasics |          0 | PRIMARY      |          1 |
tconst      | A          | 3464250      | NULL      | NULL   |
| BTREE      |          |              |          |
| titlebasics |          1 | indexname1    |          1 |
titleType   | A          | 2            | NULL      | NULL   | YES
| BTREE      |          |              |          |
| titlebasics |          1 | index2        |          1 |
titleType   | A          | 2            | NULL      | NULL   | YES
| BTREE      |          |              |          |
+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

```

select distinct titlebasics.primaryTitle,
namebasics.primaryName from namebasics join crew on
namebasics.nconst=crew.director join ratings on
crew.tconst=ratings.tconst join titlebasics on
ratings.tconst=titlebasics.tconst where titlebasics.isAdult=0 and
titlebasics.genres='comedy' and ratings.averageRating>3 and
namebasics.primaryName not like 'a%' and namebasics.primaryName
not like 'e%'and namebasics.primaryName not like 'i%'and
namebasics.primaryName not like 'o%'and namebasics.primaryName
not like 'u%' order by titlebasics.primaryTitle;

```

primaryName	primaryTitle	
Griffith	A Calamitous Elopement	D.W.
Roscoe 'Fatty' Arbuckle	A Country Hero	
Charles Chaplin	A Day's Pleasure	
Charles Chaplin	A Dog's Life	
Ford	A Gun Fightin' Gentleman	John
William K.L. Dickson	A Hard Wash	
Charles Chaplin	A Jitney Elopement	
Charles Chaplin	A Night in the Show	
Charles Chaplin	A Night Out	
Roscoe 'Fatty' Arbuckle	A Reckless Romeo	
Charles Chaplin	A Woman	
Ford	A Woman's Fool	John
Gilbert M. 'Broncho Billy' Anderson	Alkali Ike's Auto	
Gilbert M. 'Broncho Billy' Anderson	An Awful Skate; or, The Hobo on Rollers	
Roscoe 'Fatty' Arbuckle	An Incompetent Hero	
Roscoe 'Fatty' Arbuckle	Back Stage	
Griffith	Balked at the Altar	D.W.
Buster Keaton	Battling Butler	
Charles Chaplin	Behind the Screen	
George Archainbaud	Broadway Scandals	
Charles Chaplin	By the Sea	
Charles Chaplin	Caught in the Rain	
B. DeMille	Chimmie Fadden Out West	Cecil

	Choosing a Husband	D.W.
Griffith		
	College	
Buster Keaton		
	Coney Island	
Roscoe 'Fatty' Arbuckle		
	Cops	
Buster Keaton		
	Dan the Dandy	D.W.
Griffith		
	Don't Change Your Husband	Cecil
B. DeMille		
	Dough and Dynamite	
Charles Chaplin		
	Easy Street	
Charles Chaplin		
	Eradicating Aunty	D.W.
Griffith		
	Examination Day at School	D.W.
Griffith		
	Father Gets in the Game	D.W.
Griffith		
	Fatty and Mabel Adrift	
Roscoe 'Fatty' Arbuckle		
	Fatty and Mabel at the San Diego Exposition	
Roscoe 'Fatty' Arbuckle		
	Fatty and Mabel's Simple Life	
Roscoe 'Fatty' Arbuckle		
	Fatty and Minnie He-Haw	
Roscoe 'Fatty' Arbuckle		
	Fatty's Chance Acquaintance	
Roscoe 'Fatty' Arbuckle		
	Fatty's Faithful Fido	
Roscoe 'Fatty' Arbuckle		
	Fatty's Jonah Day	
Roscoe 'Fatty' Arbuckle		
	Fatty's Magic Pants	
Roscoe 'Fatty' Arbuckle		
	Fatty's New Role	
Roscoe 'Fatty' Arbuckle		
	Fatty's Plucky Pup	
Roscoe 'Fatty' Arbuckle		
	Fatty's Reckless Fling	
Roscoe 'Fatty' Arbuckle		
	Fatty's Tintype Tangle	
Roscoe 'Fatty' Arbuckle		
	Fig Leaves	
Howard Hawks		
	Finances of the Grand Duke	F.W.
Murnau		
	Gentlemen of Nerve	
Charles Chaplin		

Get Your Man		
Dorothy Arzner		
Getting Acquainted		
Charles Chaplin		
Getting Even		D.W.
Griffith		
Glad Rag Doll		
Michael Curtiz		
Go West		
Buster Keaton		
Good Night, Nurse!		
Roscoe 'Fatty' Arbuckle		
Hard Boiled		
Victor Schertzinger		
He Did and He Didn't		
Roscoe 'Fatty' Arbuckle		
Her First Biscuits		D.W.
Griffith		
His Musical Career		
Charles Chaplin		
His New Job		
Charles Chaplin		
His New Profession		
Charles Chaplin		
His Prehistoric Past		
Charles Chaplin		
His Trysting Place		
Charles Chaplin		
His Wedding Night		
Roscoe 'Fatty' Arbuckle		
His Wife's Mistakes		
Roscoe 'Fatty' Arbuckle		
In the Park		
Charles Chaplin		
Jones and the Lady Book Agent		D.W.
Griffith		
Just Pals		John
Ford		
Kane		Kenji
Mizoguchi		
Lady Helen's Escapade		D.W.
Griffith		
Laughing Gas		
Charles Chaplin		
Leading Lizzie Astray		
Roscoe 'Fatty' Arbuckle		
Leap Year		
Roscoe 'Fatty' Arbuckle		
Lightnin'		John
Ford		
Long Pants		Frank
Capra		

	Love	
Roscoe 'Fatty' Arbuckle		
	Love and Bullets	
Roscoe 'Fatty' Arbuckle		
	Lover's Luck	
Roscoe 'Fatty' Arbuckle		
	Mabel and Fatty's Married Life	
Roscoe 'Fatty' Arbuckle		
	Mabel and Fatty's Wash Day	
Roscoe 'Fatty' Arbuckle		
	Mabel's Wilful Way	
Roscoe 'Fatty' Arbuckle		
	Mabel, Fatty and the Law	
Roscoe 'Fatty' Arbuckle		
	Maid in Morocco	
Charles Lamont		
	Miss Fatty's Seaside Lovers	
Roscoe 'Fatty' Arbuckle		
	Monday Morning in a Coney Island Police Court	D.W.
Griffith		
	Moonlight Follies	King
Baggot		
	Moonshine	
Roscoe 'Fatty' Arbuckle		
	Mr. Jones at the Ball	D.W.
Griffith		
	Mr. Jones Has a Card Party	D.W.
Griffith		
	Mrs. Jones Entertains	D.W.
Griffith		
	Mrs. Jones' Lover; or, 'I Want My Hat'	D.W.
Griffith		
	Muggsy's First Sweetheart	D.W.
Griffith		
	Naughty Boy	
Charles Lamont		
	Oh Doctor!	
Roscoe 'Fatty' Arbuckle		
	One A.M.	
Charles Chaplin		
	Out West	
Roscoe 'Fatty' Arbuckle		
	Paid to Love	
Howard Hawks		
	Pay Day	
Charles Chaplin		
	Police	
Charles Chaplin		
	Recreation	
Charles Chaplin		
	Remodeling Her Husband	
Lillian Gish		

	Riley the Cop	John
Ford		
	Rip Van Winkle	
William K.L. Dickson		
	Roped	John
Ford		
	Sally of the Sawdust	D.W.
Griffith		
	Saturday Night	Cecil
B. DeMille		
	Say It with Sables	Frank
Capra		
	Seven Chances	
Buster Keaton		
	Shanghaied	
Charles Chaplin		
	Shoulder Arms	
Charles Chaplin		
	So This Is Love	Frank
Capra		
	Special Delivery	
Roscoe 'Fatty' Arbuckle		
	Stupid, But Brave	
Roscoe 'Fatty' Arbuckle		
	Sunnyside	
Charles Chaplin		
	Taming a Husband	D.W.
Griffith		
	Thank You	John
Ford		
	That Certain Thing	Frank
Capra		
	That Little Band of Gold	
Roscoe 'Fatty' Arbuckle		
	That Royle Girl	D.W.
Griffith		
	The Adventurer	
Charles Chaplin		
	The Affairs of Anatol	Cecil
B. DeMille		
	The Awakening	D.W.
Griffith		
	The Balloonatic	
Buster Keaton		
	The Bank	
Charles Chaplin		
	The Battle of the Sexes	D.W.
Griffith		
	The Bell Boy	
Roscoe 'Fatty' Arbuckle		
	The Bond	
Charles Chaplin		

	The Butcher Boy	
Roscoe 'Fatty' Arbuckle		
	The Champion	
Charles Chaplin		
	The Chaser	Harry
Langdon		
	The Christmas Burglars	D.W.
Griffith		
	The Circus	
Charles Chaplin		
	The Clubman and the Tramp	D.W.
Griffith		
	The Cook	
Roscoe 'Fatty' Arbuckle		
	The Count	
Charles Chaplin		
	The Cradle Snatchers	
Howard Hawks		
	The Cure	
Charles Chaplin		
	The Day After	D.W.
Griffith		
	The Englishman and the Girl	D.W.
Griffith		
	The Face on the Barroom Floor	
Charles Chaplin		
	The Fascinating Mrs. Francis	D.W.
Griffith		
	The Fighting Dude	
Roscoe 'Fatty' Arbuckle		
	The Fireman	
Charles Chaplin		
	The Floorwalker	
Charles Chaplin		
	The French Duel	D.W.
Griffith		
	The Garage	
Roscoe 'Fatty' Arbuckle		
	The Gibson Goddess	D.W.
Griffith		
	The Goat	
Buster Keaton		
	The Good-for-Nothing	
Gilbert M. 'Broncho Billy' Anderson		
	The Hayseed	
Roscoe 'Fatty' Arbuckle		
	The Idle Class	
Charles Chaplin		
	The Immigrant	
Charles Chaplin		
	The Italian Barber	D.W.
Griffith		

Griffith	The Joneses Have Amateur Theatricals	D.W.
Charles Chaplin	The Kid	
Griffith	The Little Darling	D.W.
Charles Chaplin	The Masquerader	
Capra	The Matinee Idol	Frank
Roscoe 'Fatty' Arbuckle	The Movies	
Charles Chaplin	The New Janitor	
Griffith	The Newlyweds	D.W.
Buster Keaton	The Paleface	
Theodor Dreyer	The Parson's Widow	Carl
Charles Chaplin	The Pawnshop	
Griffith	The Peachbasket Hat	D.W.
Gilbert M. 'Broncho Billy' Anderson	The Pest	
Charles Chaplin	The Pilgrim	
Griffith	The Politician's Love Story	D.W.
Charles Chaplin	The Property Man	
Roscoe 'Fatty' Arbuckle	The Red Mill	
Griffith	The Reformers; or, The Lost Art of Minding One's B	D.W.
Charles Chaplin	The Rink	
Roscoe 'Fatty' Arbuckle	The Rough House	
Charles Chaplin	The Rounders	
Buster Keaton	The Scarecrow	
Griffith	The School Teacher and the Waif	D.W.
Capra	The Strong Man	Frank
Griffith	The Taming of the Shrew	D.W.
Charles Chaplin	The Tramp	

	The Vagabond	
Charles Chaplin		
	The Waiters' Ball	
Roscoe 'Fatty' Arbuckle		
	The Wooden Leg	D.W.
Griffith		
	They Would Elope	D.W.
Griffith		
	Those Awful Hats	D.W.
Griffith		
	Those Country Kids	
Roscoe 'Fatty' Arbuckle		
	Those Love Pangs	
Charles Chaplin		
	Three's a Crowd	Harry
Langdon		
	Tillie Wakes Up	Harry
Davenport		
	Triple Trouble	
Charles Chaplin		
	True Heart Susie	D.W.
Griffith		
	Trying to Get Arrested	D.W.
Griffith		
	Turn to the Right	Rex
Ingram		
	Upstream	John
Ford		
	Vice Versa	
Maurice Elvey		
	What Happened to Rosa	
Victor Schertzinger		
	What's His Name	Cecil
B. DeMille		
	When Love Took Wings	
Roscoe 'Fatty' Arbuckle		
	Why Change Your Wife?	Cecil
B. DeMille		
	Wild Women	John
Ford		
	Wilful Peggy	D.W.
Griffith		
	Wished on Mabel	
Roscoe 'Fatty' Arbuckle		
	Woman in the Moon	Fritz
Lang		
	Work	
Charles Chaplin		

+-----+
 -----+
 203 rows in set (0.02 sec)

stored procedure1:

delimiter \$\$

```
create procedure printNumMoviesFromGenre(IN gen varchar(50),
OUT NoOfMovies INT) begin select count(titlebasics.tconst) INTO
NoOfMovies from titlebasics where titlebasics.genres=gen; end$$
```

delimiter ;

call procedure1 (a):

```
call printNumMoviesFromGenre('romance',@opvar);
Query OK, 1 row affected (0.02 sec)
```

```
select @opvar as output;
```

```
+-----+
| output |
```

```
+-----+
|    221 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

call procedure1 (b):

```
call printNumMoviesFromGenre('comedy',@opvar);
Query OK, 1 row affected (0.01 sec)
```

```
select @opvar as output;
```

```
+-----+
| output |
```

```
+-----+
|   4677 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

stored procedure2:

delimiter \$\$

```
create procedure incrementVariable(inout a int,in
incrementBy int) begin set a = a + incrementBy; end$$ Query OK, 0
rows affected (0.00 sec)
```

delimiter ;

call procedure2 (a):

```
select @opvar;
```

```
+-----+
```



```

| @opvar |
+-----+
|    221 |
+-----+
1 row in set (0.00 sec)

call incrementVariable(@opvar,100);
Query OK, 0 rows affected (0.00 sec)

select @opvar;
+-----+
| @opvar |
+-----+
|    321 |
+-----+
1 row in set (0.00 sec)

call procedure2 (b):

select @opvar;
+-----+
| @opvar |
+-----+
|    221 |
+-----+
1 row in set (0.00 sec)

call incrementVariable(@opvar,-100);
Query OK, 0 rows affected (0.00 sec)

select @opvar;
+-----+
| @opvar |
+-----+
|    221 |
+-----+
1 row in set (0.00 sec)

```