

Write the query for the following tables

Create the table name: productions

Field names

Attribute Name	Description
Productionid	Unique id, max 5 as number data
Productionname	Max 30 chars
Address	Max 40 chars
Dateofstarted	Date on which movie released
Ownername	Max 20 chars

Productionid	productionname	Address	Startyear	Ownername
9091	Arkamediaworks	Hyderabad	2001	Shobu Yarlagadda
8892	Lyca Productions	Chennai	2014	Subaskaran
1010	Hari Om Entertainment	Mumbai	2008	Akshay Kumar
1988	Red Chillies Entertainment	Mumbai	2003	Shah Rukh
1899	Viacom18 Studios	Mumbai	2008	Ajit Andhare
7882	DVV Entertainments	Hyderabad	1993	DVV Danayya
6773	Hombale Flims	Bangalore	1995	Vijay
7682	Mythri Movie Makers	Hyderabad	2015	Naveen Yerneni
1854	Junglee Pictures	Mumbai	2014	Vineeth Jain
2341	CRM	Bangalore	2017	Manohar
1111	STP	Chennai	2018	Sree

Create the table name: movie

Field names

Attribute Name	Description
Movieid	Unique id, max 5 as number data
Moviename	Max 30 chars
Herename / cast1	Max 30 chars
Heroine / cast2	Max 30 chars
Releaseddate	Date on which movie released
Language	Max 15 chars
Length	Number having 2 digits

Moviename	Max 25 length characters
Productionid	Unique id, max 5 as number data

Your insert the data

Movi eid	Moviename	Heroname	Heroine	Released ate	langua ge	lengt h	Movietyp e	Productionid
201	Bahubali – The Beginning	Prabhas	Tamannah	10/07/15	Telugu	21	Drama Fantasy	9091
501	2.0	Rajnikanth	Amy	29/11/18	Tamil	20	Scientific	8892
577	Aval	Siddharth	Andrea	3/11/17	Tamil	14	Horror	1899
101	Holiday	Akshay Kumar	Sonakshi	6/6/14	Hindi	15	Crime Thriller	1010
151	Zero	Shah ruck	Katrina Kaif	21/12/18	Hindi	16	Scientific	1988
131	Padmavaat	Shahid Kapoor	Deepika Padukone	25/1/18	Hindi	21	Drama Epic	1899
146	Andhadhun	Ayushmann	Radika Apte	5/10/18	Hindi	16	Crime Thriller	1899
231	Bharath Ane nenu	Mahesh Babu	Kiara	20/4/18	Telugu	15	Thriller	7882
244	Gruham	Siddharth	Andrea	17/11/18	Telugu	14	Horror	1899
337	K G F chapter 1	Yash	Srinithi Shetty	21/12/18	Kannada	21	Action Thriller	6773
224	Rangasthalam	Ram Charan	Samatha	30/3/18	Telugu	17	Drama Period	7682
136	Badhaai Ho	Ayushmann	Neena	18/10/18	Hindi	14	Drama Comedy	1854
441	The Villain	Sudeep	Amy	18/10/18	Kannada	16	Drama	2341
206	Maryada Ramanna	Sunil	Saloni	23/7/10	Telugu	19	Drama	9091
211	Khaidi No. 150	chiranjeevi	Kajal	11/1/17	Telugu	20	Drama Thriller	8892
188	Rangoon	Saif Ali Khan	Kangana	24/2/17	Hindi	15	Drama	1899
189	The House Next Door	Siddharth	Andrea	10/11/17	Hindi	14	Horror	1899
267	Anaganaga O Dheerudu	Siddharth	Shruthi	14/1/14	Telugu	16	Fantasy	9091

Solve the SQL fundamentals Query:

1. Display the name of movies, movie type is starts with Drama.
2. Display the movies acted by actor Ayushmann.
3. Display the count of movies, having length above 18.

4. Display the movie having minimum length.
5. Display all the details of movie, the language that first name starts with 'T'
6. Display the movie name, hero name, heroine name whose having maximum length.
7. Display the movie name, hero name, heroine name the movie released after 15 march 2018.
8. Display the count of thriller movies.
9. Display the count of movies whose released before 15 march 2018.
10. Display the release date of the movie name 'Zero'.
11. Display the actor name that acted with 'Amy'.
12. Display the Count of maximum movies released in a month of October.
13. Display the movienames same production id for different languages.

Solve Advanced Query by using the Two Tables:

1.

Write the query to display productionid, production name with total number movies produced by each.

2.

Write the query to display production name, owner name have produced more than 2 movies.

3.

Write the query to display production name, owner name have produced maximum movies

4.

Write the query to display the moviename, heroname and productionname acted in the producer name= 'Subaskaran'.

5.

Write the query to display the moviename, heroname whose productionid ends with 82.

6.

Write the query to display the productionname, ownername who has not produced the movie.

7.

Write the query to display the productionname, ownername who has not produced the 'hindi' movie.

8.

Write the query name to display the heroinename who acted in the different productions but not in same production id.

Ans: Amy

9.

Write the query to display the heroname who acted in maximum languages.

10.

Write the query to display the production name, owner name who has produced movie for more languages.

11.

Write the query to display the productionname, producername who has not produced any movie.

Table:

1. Productions:

```
-- MySQL 8.0 Command Line Client
Your MySQL connection id is 20
Server version: 8.0.25 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use gen
Database changed

mysql> create table productions(Productionid int(5) Primary Key,Productionname varchar(30),
-> Address varchar(4),Dateofstarted varchar(4), Ownername varchar(20));
Query OK, 0 rows affected, 1 warning (2.55 sec)

mysql>
mysql> insert into Productions values
-> (9091,'Arkamediaworks','Hyderabad','2001','Shobu Yarlagadda'),
-> (8892,'lyca Productions','Chennai','2014','Subaskaran'),
-> (1010,'Hari Om Entertainment','Mumbai','2008','Akshay Kumar'),
-> (1854,'Jungle Pictures','Mumbai','2014','Vineet Jain'),
-> (1899,'Viacom18 Studios','Mumbai','2008','Shah Rukh'),
-> (1899,'Viacom18 Studios','Mumbai','2008','Ajit Andhare'),
-> (7882,'DVV Entertainments','Hyderabad','1993','DVV Danayya'),
-> (6773,'Homale Films','Bangalore','1995','Vijay'),
-> (7682,'Mythri Movie Makers','Hyderabad','2015','Naveen Yerneni'),
-> (1854,'Jungle Pictures','Mumbai','2014','Vineet Jain'),
-> (2341,'CRM','Bangalore','2017','Manohar'),
-> (1111,'SIP','Chennai','2018','Sree');
Query OK, 11 rows affected (0.31 sec)
Records: 11  Duplicates: 0  Warnings: 0

mysql> select * from productions;
+-----+-----+-----+-----+-----+
| Productionid | Productionname | Address | Dateofstarted | Ownername |
+-----+-----+-----+-----+-----+
| 1010 | Hari Om Entertainment | Mumbai | 2008 | Akshay Kumar |
| 1111 | SIP | Chennai | 2018 | Sree |
| 1854 | Jungle Pictures | Mumbai | 2014 | Vineet Jain |
| 1899 | Viacom18 Studios | Mumbai | 2008 | Ajit Andhare |
| 1899 | Viacom18 Studios | Mumbai | 2008 | Shah Rukh |
| 2341 | CRM | Bangalore | 2017 | Manohar |
| 6773 | Homale Films | Bangalore | 1995 | Vijay |
| 7682 | Mythri Movie Makers | Hyderabad | 2015 | Naveen Yerneni |
| 7882 | DVV Entertainments | Hyderabad | 1993 | DVV Danayya |
| 8892 | Lyca Productions | Chennai | 2014 | Subaskaran |
| 9091 | Arkamediaworks | Hyderabad | 2001 | Shobu Yarlagadda |
+-----+-----+-----+-----+-----+
11 rows in set (0.04 sec)

10:15 AM
```

2. Movie:

```
-- MySQL 8.0 Command Line Client
mysql>
mysql> INSERT INTO movie VALUES (136,'Badhai Ho','Ayushmann','Neena','2018/10/18','Hindi',14,'Drama Comedy',1854);
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO movie VALUES (441,'The Villain','Sudeep','Amy','2018/10/18','Kannada',16,'Drama',2341);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO movie VALUES (206,'Maryada Ramanna','Sunil','Saloni','2010/7/23','Telugu',19,'Drama',9091);
Query OK, 1 row affected (0.15 sec)

mysql> INSERT INTO movie VALUES (211,'Khaidi No. 150','chiranjeevi','Kajal','2017/1/1','Telugu',20,'Drama Thriller',8892);
Query OK, 1 row affected (0.11 sec)

mysql> INSERT INTO movie VALUES (188,'Rangoon','Saif Ali Khan','Kangana','2017/2/2','Hindi',15,'Drama',1899);
Query OK, 1 row affected (0.14 sec)

mysql> INSERT INTO movie VALUES (189,'The House Next Door','Siddharth','Andrea','2017/11/10','Hindi',14,'Horror',1899);
Query OK, 1 row affected (0.09 sec)

mysql> INSERT INTO movie VALUES (224,'Rangasthalam','Ram Charan','Samatha','2018/03/30','Telugu',17,'Drama Period',7682);
Query OK, 1 row affected (0.17 sec)

mysql> INSERT INTO movie VALUES (267,'Anaganaga O Dheereedu','Siddhart','Shruti','2014/01/14','Telugu',16,'Fantasy',9091);
Query OK, 1 row affected (0.06 sec)

mysql>
mysql> select * from movie;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Moviedid | Moviename | Heroname | Heroine | Releaseddate | Language | Length | Moviestype | Productionid |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 101 | Holiday | Akshay Kumar | Sonakshi | 2014-06-06 | Hindi | 15 | Crime Thriller | 1010 |
| 131 | Padmaavat | Shahid Kapoor | Deepika Padukone | 2018-01-25 | Hindi | 21 | Drama Epic | 1899 |
| 136 | Badhai Ho | Ayushmann | Neena | 2018-10-18 | Hindi | 14 | Drama Comedy | 1854 |
| 146 | Andhadhun | Ayushmann | Radhika Apte | 2018-01-05 | Hindi | 16 | Crime Thriller | 1899 |
| 188 | Zerba | Shah Rukh | Katrina Kaif | 2017-12-21 | Hindi | 15 | Drama | 1899 |
| 188 | Rangoon | Saif Ali Khan | Lunga | 2017-02-02 | Hindi | 15 | Drama | 1899 |
| 189 | The House Next Door | Siddharth | Andrea | 2017-11-10 | Hindi | 14 | Horror | 1899 |
| 201 | Bahubali-The Beginning | Prabhas | Tamannah | 2015-07-10 | Telugu | 21 | Drama_Fantasy | 9091 |
| 206 | Maryada Ramanna | Sunil | Saloni | 2010-07-23 | Telugu | 19 | Drama | 9091 |
| 211 | Khaidi No. 150 | chiranjeevi | Kajal | 2017-01-01 | Telugu | 20 | Drama Thriller | 8892 |
| 224 | Rangasthalam | Ram Charan | Samatha | 2018-03-30 | Telugu | 17 | Drama Period | 7682 |
| 231 | Bharath Ane nenu | Mahesh Babu | Kiera | 2018-04-20 | Telugu | 15 | Thriller | 7882 |
| 244 | Gruham | Siddharth | Andrea | 2018-11-17 | Telugu | 14 | Horror | 1899 |
| 267 | Anaganaga O Dheereedu | Siddhart | Shruti | 2014-01-14 | Telugu | 16 | Fantasy | 9091 |
| 577 | T G F chapter 1 | Yash | Srinithi Shetty | 2018-12-21 | Telugu | 21 | Action Thriller | 6773 |
| 441 | The Villain | Sudeep | Amy | 2018-10-18 | Kannada | 16 | Drama | 2341 |
| 501 | 2.0 | Rajnikanth | Amy | 2018-11-29 | Tamil | 20 | Scientific | 8892 |
| 577 | Aval | Siddharth | Andrea | 2017-11-03 | Tamil | 14 | Horror | 1899 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
18 rows in set (0.08 sec)
```

Fundamental Queries Solution:

1.

```
MySQL 8.0 Command Line Client

mysql> select moviename from movie where movietype like 'Drama%';
+-----+
| moviename |
+-----+
| Padmavaat |
| Badhaai Ho |
| Rangoon |
| Bahubali-The Beginning |
| Maryada Ramanna |
| Khaidi No. 159 |
| Rangasthalam |
| The Villain |
+-----+
8 rows in set (0.20 sec)

mysql>
```

2.

```
MySQL 8.0 Command Line Client

mysql> select moviename from movie where heroname='ayushmann';
+-----+
| moviename |
+-----+
| Badhaai Ho |
| Andhadhun |
+-----+
2 rows in set (0.03 sec)

mysql>
```

3.

```
MySQL 8.0 Command Line Client
2 rows in set (0.03 sec)

mysql> select count(moviename) from movie where length >18;
+-----+
| count(moviename) |
+-----+
|          6       |
+-----+
1 row in set (0.13 sec)

mysql>
```

4.

```
MySQL 8.0 Command Line Client
+-----+
| moviename      |
+-----+
| Radhaai Ho    |
| The House Next Door |
| Gruffam      |
| Ava          |
+-----+
# rows in set (0.00 sec)

mysql>
```

5.

```
MySQL 8.0 Command Line Client

mysql> select * from movie where language like 'tx';
+-----+-----+-----+-----+-----+-----+-----+
| MovieId | Moviename | Heroname | Heroine | Releaseddate | Language | Movietype |
+-----+-----+-----+-----+-----+-----+-----+
| 201 | Bahubali-The_Beginning | Prabhas | Tamannah | 2015-07-10 | Telugu | Drama_Fantasy |
| 206 | Maryada Ramana | Sunil | Saloni | 2010-07-23 | Telugu | Drama |
| 211 | Khaidi No. 150 | chiranjeevi | Kajal | 2017-01-01 | Telugu | Drama_Thriller |
| 224 | Rangasthalam | Ram Charan | Samatha | 2018-03-30 | Telugu | Drama_Period |
| 231 | Bharath Ane nenu | Mahesh Babu | Kiara | 2018-04-20 | Telugu | Thriller |
| 244 | Gruham | Siddharth | Andrea | 2018-11-17 | Telugu | Horror |
| 267 | Anaganaga O Dheereedu | Siddhart | Shruti | 2014-01-14 | Telugu | Fantasy |
| 501 | 2.0 | Rajnikanth | Amy | 2018-01-29 | Tamil | Scientific |
| 577 | Aval | Siddharth | Andrea | 2017-11-03 | Tamil | Horror |
+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)

mysql>
```

6.

```
MySQL 8.0 Command Line Client
9 rows in set (0.00 sec)

mysql> select moviename,heroname,heroine from movie where length= (select max(length)from movie);
+-----+-----+-----+
| moviename | heroname | heroine |
+-----+-----+-----+
| Padmaavat | Shahid Kapoor | Deepika Padukone |
| Bahubali-The_Beginning | Prabhas | Tamannah |
| K G F chapter 1 | Yash | Srinithi Shetty |
+-----+-----+-----+
9 rows in set (0.00 sec)

mysql>
```

7.

```
MySQL 8.0 Command Line Client
mysql> select moviename,heroname,heroine from movie where releaseddate >'2018-03-15';
+-----+-----+-----+
| moviename | heroname | heroine |
+-----+-----+-----+
| Radhaai Ho | Ayushmann | Neetu |
| Andhadhun | Ayushmann | Radika Apte |
| Zeroville | Shah ruck | Katrina Kaif |
| Rangasthalam | Ram Charan | Samatha |
| Bharath Ane nenu | Mahesh Babu | Kiara |
| Gruham | Siddharth | Andrea |
| K G F chapter 1 | Yash | Srinithi Shetty |
| The Villain | Sudeep | Amy |
| 2.0 | Rajnikanth | Amy |
+-----+-----+-----+
9 rows in set (0.03 sec)

mysql>
```

8.

```
MySQL 8.0 Command Line Client
mysql> select count(*) from movie where movietype like '%thriller%';
+-----+
| count(*) |
+-----+
| 5 |
+-----+
1 row in set (0.00 sec)

mysql>
```

9.

```
MySQL 8.0 Command Line Client
mysql: select count(*) from movie where releaseddate <'2018-03-15';
+-----+
| count(*) |
+-----+
| 1         |
+-----+
1 row in set (0.00 sec)

mysql>
```

10.

```
MySQL 8.0 Command Line Client
mysql: select releaseddate from movie where moviename='zero';
+-----+
| releaseddate |
+-----+
| 2018-12-21   |
+-----+
1 row in set (0.00 sec)

mysql>
```

11.

```
MySQL 8.0 Command Line Client
1 row in set (0.00 sec)

mysql> select heroname from movie where heroine='amy';
+-----+
| heroname |
+-----+
| Sudeep   |
| Rajnikant |
+-----+
2 rows in set (0.00 sec)

mysql>
```

12.

```
MySQL 8.0 Command Line Client
2 rows in set (0.00 sec)

mysql> select count(moviename) from movie where month(releaseddate)=10;
+-----+
| count(moviename) |
+-----+
|            3 |
+-----+
1 row in set (0.02 sec)

mysql>
```

13.

```
MySQL 8.0 Command Line Client

mysql> select moviename from movie where productionid in (select distinct productionid from movie where
-> language in(select distinct language from movie));
+-----+
| moviename |
+-----+
| Holiday |
| Padmavaat |
| Badhaai Ho |
| Andhadhun |
| Zero |
| Rangoon |
| The House Next Door |
| Baahubali: The Beginning |
| Maryada Ramanna |
| Khaidi No. 159 |
| Rangasthalam |
| Bharath Ane nenu |
| Gruham |
| Anaganaga O Dheereedu |
| K G F chapter 1 |
| The Villain |
| 2.0 |
| Aval |
+-----+
18 rows in set (0.11 sec)

mysql>
```

Advance Queries Solutions:

1.

```
MySQL 8.0 Command Line Client

mysql> select productions.productionid,productionname,count(*) as no_of_movies from productions,movie
-> where productions.productionid=movie.productionid
-> group by productionid,productionname;
+-----+-----+-----+
| productionid | productionname | no_of_movies |
+-----+-----+-----+
| 1010 | Hari Om Entertainment | 1 |
| 1854 | Junglee Pictures | 1 |
| 1899 | Viacom18 Studios | 6 |
| 1988 | Red Chillies Entertainment | 1 |
| 2341 | CRM | 1 |
| 6773 | Homdale Films | 1 |
| 7682 | Mythri Movie Makers | 1 |
| 7882 | DVV Entertainments | 1 |
| 8892 | Lyca Productions | 2 |
| 9091 | Arkmedineworks | 3 |
+-----+-----+-----+
10 rows in set (0.08 sec)

mysql>
```

2.

```
MySQL 8.0 Command Line Client
mysql> select productionname,ownername,count(*) as no_of_movies from productions,movie
   -> where productions.productionid=movie.productionid
   -> group by productions.productionid,productionname,ownername
   -> having no_of_movies>2;
+-----+-----+-----+
| productionname | ownername | no_of_movies |
+-----+-----+-----+
| Viacom18 Studios | Ajit Andhare |       6 |
| Arkamediaworks | Shobu Yarlagadda |       3 |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

3.

```
MySQL 8.0 Command Line Client
mysql> select productionname,ownername,count(*) as no_of_movies from productions,movie
   -> where productions.productionid=movie.productionid
   -> group by productions.productionid,ownername
   -> order by no_of_movies desc
   -> limit 1;
+-----+-----+-----+
| productionname | ownername | no_of_movies |
+-----+-----+-----+
| Viacom18 Studios | Ajit Andhare |       6 |
+-----+-----+-----+
1 row in set (0.13 sec)

mysql>
```

4.

```
MySQL 8.0 Command Line Client
mysql> select moviename,heroname,productionname from productions,movie
-> where productions.productionid=movie.productionid and ownername='Subaskaran'
-> group by productions.productionid;
+-----+-----+-----+
| moviename | heroname | productionname |
+-----+-----+-----+
| Khaidi No. 150 | chiranjeevi | Lyca Productions |
+-----+-----+-----+
1 row in set (0.10 sec)

mysql>
```

5.

```
MySQL 8.0 Command Line Client
mysql>
mysql>
mysql> select moviename,heroname from productions,movie
-> where productions.productionid=movie.productionid and productions.productionid like '%82';
+-----+-----+
| moviename | heroname |
+-----+-----+
| Rangasthalam | Ram Charan |
| Bharath Ane nenu | Mahesh Babu |
+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

6.

```
MySQL 8.0 Command Line Client
mysql>
mysql> select productionname,ownername from productions
-> where productionid not in(select productionid from movie );
+-----+-----+
| productionname | ownername |
+-----+-----+
| STP           | Sree      |
+-----+-----+
1 row in set (0.12 sec)

mysql>
```

7.

```
MySQL 8.0 Command Line Client
mysql>
mysql> select productionname,ownername from productions
-> where productionid not in(select productionid from movie where language='Hindi' );
+-----+-----+
| productionname | ownername |
+-----+-----+
| STP           | Sree      |
| CRM           | Manhar    |
| Hombale Films | Vijay    |
| Mythri Movie Makers | Naveen Yerneni |
| DVV Entertainments | DVV Danayya |
| Lyca Productions | Subaskaran |
| Arkamediaworks | Shobu Yarlagadda |
+-----+-----+
7 rows in set (0.00 sec)

mysql>
```

8.

```
MySQL 8.0 Command Line Client
mysql> select m.heroine from productions p inner join movie m on p.productionid=m.productionid group by m.heroine having count(distinct(m.productionid))>1;
+-----+
| heroine |
+-----+
| Amy    |
+-----+
1 row in set (0.02 sec)

mysql>
```

9.

```
MySQL 8.0 Command Line Client
mysql> select heroname from movie
   > -> group by heroname
   > -> having count(distinct(language)) order by count(distinct(language)) desc limit 1;
+-----+
| heroname |
+-----+
| Siddharth |
+-----+
1 row in set (0.11 sec)

mysql>
```

10.

```
MySQL 8.0 Command Line Client
mysql>
mysql> select productionname,ownername from productions,movie
   > where productions.productionid=movie.productionid
   > group by productionid
   > having count(distinct(language))!=1;
+-----+-----+
| productionname | ownername |
+-----+-----+
| Viacom18 Studios | Ajit Andhare |
| Lyca Productions | Subaskaran |
+-----+-----+
2 rows in set (0.10 sec)

mysql>
```

11.

```
MySQL 8.0 Command Line Client
mysql> select productionname,ownername from productions where productionid not in(select productionid from movie);
+-----+-----+
| productionname | ownername |
+-----+-----+
| STP | Sree |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```