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 Ruck |
| 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 |
| Heroname / cast1 | Max 30 chars |
| Heroine / cast2 | Max 30 chars |
| Releaseddate | Date on which movie released |
| Language | Max 15 chars |
| Length | Number having 2 digits |
| Movietype | Max 25 length characters |
| Productionid | Unique id, max 5 as number data |

Your insert the data

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movieid** | **Moviename** | **Heroname** | **Heroine** | **Releasedate** | **language** | **length** | **Movietype** | **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.

Ans. Select Moviename, Movietype from movie where Movietype like “Drama%”;

1. Display the movies acted by actor Ayushmann.

Ans. Select \* from movie where Heroname = “Ayushmann”;

1. Display the count of movies, having length above 18.

Ans. Select count(\*) from movie where Length>18;

1. Display the movie having minimum length.

Ans. Select \* from movie where Length = (Select min(Length) from movie);

1. Display all the details of movie, the language that first name starts with ‘T’

Ans. Select \* from movie where Language like “T%”;

1. Display the movie name, hero name, heroine name whose having maximum length.

Ans. Select Moviename, Heroname, Heroine from movie where Length = (Select max(Length) from movie);

1. Display the movie name, hero name, heroine name the movie released after 15 march 2018.

Ans. select Moviename, Heroname, Heroine from movie where Releasedate>'2018-03-15';

1. Display the count of thriller movies.

Ans. select count(\*) from movie where Movietype like "%Thriller%";

1. Display the count of movies whose released before 15 march 2018.

Ans. select count(\*) from movie where Releasedate<'2018-03-15';

1. Display the release date of the movie name ‘Zero’.

Ans. select Releasedate from movie where Moviename = "Zero";

1. Display the actor name that acted with ‘Amy’.

Ans. select Heroname from movie where Heroine = "Amy";

1. Display the Count of maximum movies released in a month of October.

Ans. select count(\*) from movie where Releasedate like '\_\_\_\_-10-\_\_';

1. Display the movienames whose production id is same for different languages.

Ans. select moviename, language, productionid from movie where productionid in (select productionid from movie group by productionid having count(distinct language)>1) order by productionid;

Solve Advanced Query by using the Two Tables:

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

Ans. select productions.Productionid, Productionname, count(Productionname) as count from movie inner join productions where productions.Productionid=movie.Productionid group by movie.Productionid order by movie.Productionid;

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

Ans. select Productionname, Ownername, Moviename from movie Inner Join productions on movie.Productionid=productions.Productionid group by Productionname having count(Productionname)>2;

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

Ans. select Productionname, Ownername, Moviename from movie Inner Join productions on movie.Productionid=productions.Productionid group by Productionname having count(Productionname)=(select count(productionid) as count from movie group by productionid order by count(productionid) desc limit 1);

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

Ans. select Moviename, Heroname, Productionname from movie Inner Join productions on movie.Productionid=productions.Productionid where Ownername = "Subaskaran";

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

Ans. select Moviename, Heroname from movie where Productionid like "%82";

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

Ans. select productions.productionid, count(movie.productionid) from productions left join movie on productions.productionid=movie.productionid group by productions.productionid;

7. Write the query to display the productionname, ownername who has not produced the ‘hindi’ movie.

Ans. select distinct productionname, ownername from productions inner join movie on productions.productionid=movie.productionid where language!="Hindi";

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

Ans: select heroine from movie group by heroine having count(distinct movie.productionid)>1;

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

Ans: select Heroname from movie group by Heroname order by count(language) desc limit 1;

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

Ans. select Productionname, Ownername from productions inner join movie on productions.productionid = movie.productionid group by Productionname having count(distinct language)>1;

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

Ans. select Productionname, Ownername from productions left join movie on productions.productionid=movie.productionid group by productionname having count(movie.productionid)=0;