**Practice Assignment**

**Execute the following Queries:**

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| --- | --- |
| **Sr. #** | **Query text** |
| 1) | Write CREATE TABLE statements for the given tables with all appropriate constraints. Enter a broad range of data in the tables. |
| **Query** | create table AC\_MAST(  ac\_type varchar(3),  ac\_no int(4),  cust\_no int(5),  bal float(10,2),  od\_limit float(10,2),  constraint PK\_ACMAST Primary key(ac\_type,ac\_no));  insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('saving', 5659, 45671, '228117.90', '1057.02');    create table CUST\_MAST(  cust\_no int(5) primary key,  name varchar(50),  add1 varchar(50),  add2 varchar(50),  add3 varchar(50),  city varchar(30),  state varchar(20));  insert into CUST\_MAST (cust\_no, name, add1, add2, add3, city, state) values (45671, 'VÃ©nus', '92', 'Shelley', 'Place', 'Albany', 'New York');    create table TRANS(  ac\_type varchar(3),  ac\_no int(4),  tdate date,  counter int(2),  amount float(10,2),  desp varchar(30),  constraint PK\_TRANS Primary key(ac\_type,ac\_no,tdate)); |
| **Result** |  |
|  |  |
| 2) | Insert Records in Movie Table. |
| **Query** | insert into Movies values('1','Heaven and Earth','Maurizio Willock','2004','100','4.36');  insert into Movies values('2','The UFO Incident','Dillon Dillimore','2008','49','5.46');  insert into Movies values('3','Gambit','Carri Garrals','2007','100','53.48');  insert into Movies values('4','Against The Sun','Stacey Rives','2007','91','48.68');  insert into Movies values('5','Room for One More','Coreen Friedlos','2007','80','3.03');  insert into Movies values('6','Paris Is Burning','Carri Garrals','1995','50','26.55');  insert into Movies values('7','cars','John Lasseter','2003','14','77.02');  insert into Movies values('8','Invaders from Mars','Carri Garrals','2007','50','81.73');  insert into Movies values('9','Train','Andrew Stanton','2004','71','81.1');  insert into Movies values('10','Buried Alive','Dillon Dillimore','2009','100','2.36'); |
| **Result** | +----+--------------------+------------------+------+----------------+--------------+  | ID | Title | Director | Year | Length\_Minutes | BOCollection |  +----+--------------------+------------------+------+----------------+--------------+  | 1 | Heaven and Earth | Maurizio Willock | 2004 | 100 | 4.36 |  | 2 | The UFO Incident | Dillon Dillimore | 2008 | 49 | 5.46 |  | 3 | Gambit | Carri Garrals | 2007 | 100 | 53.48 |  | 4 | Against The Sun | Stacey Rives | 2007 | 91 | 48.68 |  | 5 | Room for One More | Coreen Friedlos | 2007 | 80 | 3.03 |  | 6 | Paris Is Burning | Carri Garrals | 1995 | 50 | 26.55 |  | 7 | cars | John Lasseter | 2003 | 14 | 77.02 |  | 8 | Invaders from Mars | Carri Garrals | 2007 | 50 | 81.73 |  | 9 | Train | Andrew Stanton | 2004 | 71 | 81.10 |  | 10 | Buried Alive | Dillon Dillimore | 2009 | 100 | 2.36 |  +----+--------------------+------------------+------+----------------+--------------+  10 rows in set (0.00 sec) |
|  |  |
| 3) | Find the title and director of each film. |
| **Query** | select title, director from movies; |
| **Result** | +--------------------+------------------+  | title | director |  +--------------------+------------------+  | Heaven and Earth | Maurizio Willock |  | The UFO Incident | Dillon Dillimore |  | Gambit | Carri Garrals |  | Against The Sun | Stacey Rives |  | Room for One More | Coreen Friedlos |  | Paris Is Burning | Carri Garrals |  | cars | John Lasseter |  | Invaders from Mars | Carri Garrals |  | Train | Andrew Stanton |  | Buried Alive | Dillon Dillimore |  +--------------------+------------------+ |
|  |  |
| 4) | Find the movie with an id of 6. |
| **Query** | select \* from movies where ID='6'; |
| **Result** | +----+------------------+---------------+------+----------------+--------------+  | ID | Title | Director | Year | Length\_Minutes | BOCollection |  +----+------------------+---------------+------+----------------+--------------+  | 6 | Paris Is Burning | Carri Garrals | 1995 | 50 | 26.55 |  +----+------------------+---------------+------+----------------+--------------+ |
|  |  |
| 5) | Find all the movies whose director name contains ‘r’ at third character of their name. |
| **Query** | select title,director from movies where director like '\_\_r%'; |
| **Result** | +--------------------+-----------------+  | title | director |  +--------------------+-----------------+  | Gambit | Carri Garrals |  | Room for One More | Coreen Friedlos |  | Paris Is Burning | Carri Garrals |  | Invaders from Mars | Carri Garrals |  +--------------------+-----------------+ |
|  |  |
| 6) | Display the information of movies released in the years between 2000 and 2008. |
| **Query** | Select \* from movies where year between 2000 and 2008; |
| **Result** | +----+--------------------+------------------+------+----------------+--------------+  | ID | Title | Director | Year | Length\_Minutes | BOCollection |  +----+--------------------+------------------+------+----------------+--------------+  | 1 | Heaven and Earth | Maurizio Willock | 2004 | 100 | 4.36 |  | 2 | The UFO Incident | Dillon Dillimore | 2008 | 49 | 5.46 |  | 3 | Gambit | Carri Garrals | 2007 | 100 | 53.48 |  | 4 | Against The Sun | Stacey Rives | 2007 | 91 | 48.68 |  | 5 | Room for One More | Coreen Friedlos | 2007 | 80 | 3.03 |  | 7 | cars | John Lasseter | 2003 | 14 | 77.02 |  | 8 | Invaders from Mars | Carri Garrals | 2007 | 50 | 81.73 |  | 9 | Train | Andrew Stanton | 2004 | 71 | 81.10 |  +----+--------------------+------------------+------+----------------+--------------+ |
|  |  |
| 7) | Find the first 5 movies and their release year. |
| **Query** | Select ID,Title,year from movies order by ID asc limit 5; |
| **Result** | +----+-------------------+------+  | ID | Title | year |  +----+-------------------+------+  | 1 | Heaven and Earth | 2004 |  | 2 | The UFO Incident | 2008 |  | 3 | Gambit | 2007 |  | 4 | Against The Sun | 2007 |  | 5 | Room for One More | 2007 |  +----+-------------------+------+ |
|  |  |
| 8) | Show the list of title and director of movie directed by any other than “Carri Garrals”. |
| **Query** | Select Title,Director from movies where director!="Carri Garrals"; |
| **Result** | +-------------------+------------------+  | Title | Director |  +-------------------+------------------+  | Heaven and Earth | Maurizio Willock |  | The UFO Incident | Dillon Dillimore |  | Against The Sun | Stacey Rives |  | Room for One More | Coreen Friedlos |  | cars | John Lasseter |  | Train | Andrew Stanton |  | Buried Alive | Dillon Dillimore |  +-------------------+------------------+ |
|  |  |
| 9) | List all directors of different Fantom movies (alphabetically), without duplicates. |
| **Query** | Select distinct(director) from movies order by director ASC; |
| **Result** | +------------------+  | director |  +------------------+  | Andrew Stanton |  | Carri Garrals |  | Coreen Friedlos |  | Dillon Dillimore |  | John Lasseter |  | Maurizio Willock |  | Stacey Rives |  +------------------+ |
|  |  |
| 10) | Display the four latest releases from the Fantom production. |
| **Query** | Select title,year from movies order by year desc limit 4; |
| **Result** | +------------------+------+  | title | year |  +------------------+------+  | Buried Alive | 2009 |  | The UFO Incident | 2008 |  | Gambit | 2007 |  | Against The Sun | 2007 |  +------------------+------+ |
|  |  |
| 11) | How many movies does the Fantom production releases in each distinct year? |
| **Query** |  |
| **Result** |  |
|  |  |
| 12) | What is the average running length of all Fantom Movies? |
| **Query** | select avg(Length\_Minutes) from movies; |
| **Result** | +---------------------+  | avg(Length\_Minutes) |  +---------------------+  | 70.5000 |  +---------------------+ |
|  |  |
| 13) | Find out who is the director of the highest earning movie. |
| **Query** | select director,max(BOCollection) from movies; |
| **Result** | +------------------+-------------------+  | director | max(BOCollection) |  +------------------+-------------------+  | Maurizio Willock | 81.73 |  +------------------+-------------------+ |
|  |  |
| 14) | Display the BoxOffice collection for the movie directed by “Carri Garrals” and released before year 2000. |
| **Query** | select BOCollection, Title , director from movies where director="Carri Garrals" and year<2000; |
| **Result** | +--------------+------------------+---------------+  | BOCollection | Title | director |  +--------------+------------------+---------------+  | 26.55 | Paris Is Burning | Carri Garrals |  +--------------+------------------+---------------+ |
|  |  |
| 15) | What is the average BoxOffice collection of movies directed by each director? |
| **Query** |  |
| **Result** |  |
|  |  |
| 16) | If the BoxOffice collection is less than 5 then change it to 5. |
| **Query** | Update movies set BOCollection='5' where BOCollection<5; |
| **Result** | +----+--------------------+------------------+------+----------------+--------------+  | ID | Title | Director | Year | Length\_Minutes | BOCollection |  +----+--------------------+------------------+------+----------------+--------------+  | 1 | Heaven and Earth | Maurizio Willock | 2004 | 100 | 5.00 |  | 2 | The UFO Incident | Dillon Dillimore | 2008 | 49 | 5.46 |  | 3 | Gambit | Carri Garrals | 2007 | 100 | 53.48 |  | 4 | Against The Sun | Stacey Rives | 2007 | 91 | 48.68 |  | 5 | Room for One More | Coreen Friedlos | 2007 | 80 | 5.00 |  | 6 | Paris Is Burning | Carri Garrals | 1995 | 50 | 26.55 |  | 7 | cars | John Lasseter | 2003 | 14 | 77.02 |  | 8 | Invaders from Mars | Carri Garrals | 2007 | 50 | 81.73 |  | 9 | Train | Andrew Stanton | 2004 | 71 | 81.10 |  | 10 | Buried Alive | Dillon Dillimore | 2009 | 100 | 5.00 |  +----+--------------------+------------------+------+----------------+--------------+ |
|  |  |
| 17) | Change the Length\_Minutes for “Cars” movie to 34. |
| **Query** | Update movies set Length\_Minutes='34' where Title='Cars'; |
| **Result** | +----+--------------------+------------------+------+----------------+--------------+  | ID | Title | Director | Year | Length\_Minutes | BOCollection |  +----+--------------------+------------------+------+----------------+--------------+  | 1 | Heaven and Earth | Maurizio Willock | 2004 | 100 | 5.00 |  | 2 | The UFO Incident | Dillon Dillimore | 2008 | 49 | 5.46 |  | 3 | Gambit | Carri Garrals | 2007 | 100 | 53.48 |  | 4 | Against The Sun | Stacey Rives | 2007 | 91 | 48.68 |  | 5 | Room for One More | Coreen Friedlos | 2007 | 80 | 5.00 |  | 6 | Paris Is Burning | Carri Garrals | 1995 | 50 | 26.55 |  | 7 | cars | John Lasseter | 2003 | 34 | 77.02 |  | 8 | Invaders from Mars | Carri Garrals | 2007 | 50 | 81.73 |  | 9 | Train | Andrew Stanton | 2004 | 71 | 81.10 |  | 10 | Buried Alive | Dillon Dillimore | 2009 | 100 | 5.00 |  +----+--------------------+------------------+------+----------------+--------------+ |
|  |  |
| 18) | Change the size of Director column. |
| **Query** | alter table movies modify Director varchar(40); |
| **Result** | +----------------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +----------------+-------------+------+-----+---------+-------+  | ID | int(3) | NO | PRI | NULL | |  | Title | varchar(30) | YES | | NULL | |  | Director | varchar(40) | YES | | NULL | |  | Year | int(5) | YES | | NULL | |  | Length\_Minutes | int(5) | YES | | NULL | |  | BOCollection | float(5,2) | YES | | NULL | |  +----------------+-------------+------+-----+---------+-------+ |
|  |  |
| 19) | Create a new table with only the structure of Movies table. |
| **Query** | create table MoviesNew like Movies; |
| **Result** | +----------------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +----------------+-------------+------+-----+---------+-------+  | ID | int(3) | NO | PRI | NULL | |  | Title | varchar(30) | YES | | NULL | |  | Director | varchar(40) | YES | | NULL | |  | Year | int(5) | YES | | NULL | |  | Length\_Minutes | int(5) | YES | | NULL | |  | BOCollection | float(5,2) | YES | | NULL | |  +----------------+-------------+------+-----+---------+-------+ |
|  |  |
| 20) | Show the structure of both the table. |
| **Query** | Desc Movies;  Desc MoviesNew; |
| **Result** | +----------------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +----------------+-------------+------+-----+---------+-------+  | ID | int(3) | NO | PRI | NULL | |  | Title | varchar(30) | YES | | NULL | |  | Director | varchar(40) | YES | | NULL | |  | Year | int(5) | YES | | NULL | |  | Length\_Minutes | int(5) | YES | | NULL | |  | BOCollection | float(5,2) | YES | | NULL | |  +----------------+-------------+------+-----+---------+-------+  +----------------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +----------------+-------------+------+-----+---------+-------+  | ID | int(3) | NO | PRI | NULL | |  | Title | varchar(30) | YES | | NULL | |  | Director | varchar(40) | YES | | NULL | |  | Year | int(5) | YES | | NULL | |  | Length\_Minutes | int(5) | YES | | NULL | |  | BOCollection | float(5,2) | YES | | NULL | |  +----------------+-------------+------+-----+---------+-------+ |

**Note:**

1. Fill your details on 1st page.
2. Rename this file as **CollegeID\_FirstName\_CSD2204\_Test1.docx**.
3. Also copy your MySQL command prompt content into file named as **CollegeID\_FirstName\_CSD2204\_Test1Log.sql.**
4. Create a .zip file containing both the .docx files and upload it on Moodle for submission.