**Lab Test 1**

**[Total Marks: 100]**

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| --- | --- |
| **Instructor:** | Pritesh Patel |
| **Class:** | 2017F\_CSD2204\_3  **Database Design and SQL**  **Time: 06:00 PM to 08:00 PM** |

* Students are NOT allowed to possess any unauthorized aids on their desks, or in their pockets, including electronic devices of ANY kind, unless otherwise stated. This includes CELL PHONES, iPod and CALCULATORS.
* Turned off cell phones, laptops and other unauthorized items, purses and wallets should be stored inside the candidate’s bag and closed securely. All bags and study materials (notes and books) should be placed on front side of class.
* Candidates are not allowed to reach into the bags and pocket or any of their study materials until the exam is over.
* Candidates must not communicate with one another in any manner whatsoever during the examination.
* Candidates may not leave the examination room unescorted for any reason, including visiting the washroom.
* Candidates are expected to show consideration for others in the exam room and to refrain from causing any type of disturbance which could interfere with the ability of fellow students to concentrate and this may cause your cancellation of exam paper.
* Candidates are not allowed to enter the exam after 30 minutes of exam commencement and not allowed to leave the exam before 10 minutes of the exam.

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| |  |  | | --- | --- | | **Date:** | **11th Sep 2017, Monday** | | **Student Name:** | **Kalpana Ramanan** | | **Student Number:** | **C0715368** | |

**Movies (Code, title, Rating, ReleaseDate)**

Data:

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 'Citizen Kane' | 'PG' | '24-Jan-1970' |
| 2 | 'Singin' in the Rain' | 'G' | '20-Feb-1972' |
| 3 | 'The Wizard of Oz' | 'G' | '20-Jan-1970' |
| 4 | 'The Quiet Man' | NULL | '15-Dec-1997' |
| 5 | 'North by Northwest' | NULL | '11-Mar-1978' |
| 6 | 'The Last Tango in Paris' | 'NC-17' | '12-Aug-1999' |
| 7 | 'Some Like it Hot' | 'PG-13' | '08-Jan-2017' |
| 8 | 'A Night at the Opera' | NULL | '29-Sep-2015' |

**MovieTheaters (Code, Name, Movie)**

Data:

|  |  |  |
| --- | --- | --- |
| 1 | 'Odeon' | 5 |
| 2 | 'Imperial' | 1 |
| 3 | 'Majestic' | NULL |
| 4 | 'Royale' | 6 |
| 5 | 'Paraiso' | 3 |
| 6 | 'Nickelodeon' | NULL |

**Execute the following Queries:**

|  |  |  |
| --- | --- | --- |
| **Sr. #** | **Query text** | **Marks** |
| 1) | Create Movie Table | **[10]** |
| **Result** | CREATE TABLE Movies(  Code INTEGER(5) PRIMARY KEY NOT NULL,  Title VARCHAR(50) NOT NULL,  Rating VARCHAR(10),  ReleaseDate DATE NOT NULL  ); |  |
| 2) | Create MovieTheaters Table | **[10]** |
| **Result** | CREATE TABLE MovieTheaters (  Code INTEGER(5) PRIMARY KEY NOT NULL,  Name VARCHAR(50) NOT NULL,  Movie VARCHAR(50) REFERENCES Movies(Code)  ); |  |
| 3) | Insert Records in Movie Table | **[10]** |
| **Result** | LOAD DATA INFILE 'C:/Users/715368/Downloads/movies.txt' INTO TABLE movies; |  |
| 4) | Insert Records in MovieTheaters Table | **[10]** |
| **Result** | LOAD DATA INFILE 'C:/Users/715368/Downloads/movietheaters.txt' INTO TABLE movietheaters; |  |
| 5) | Select the title of all movies in descending order. | **[06]** |
| **Query** | SELECT \* FROM movies ORDER BY title DESC; |  |
| **Result** |  |  |
| 6) | Show all the distinct ratings of movies. | **[06]** |
| **Query** | SELECT DISTINCT(RATING) FROM movies; |  |
| **Result** |  |  |
| 7) | Show all unrated movies. | **[06]** |
| **Query** | SELECT \* FROM movies WHERE rating = 'NULL'; |  |
| **Result** |  |  |
| 8) | Select all movie theaters that are not currently showing a movie. | **[06]** |
| **Query** | SELECT name FROM movietheaters WHERE movie = 'NULL'; |  |
| **Result** |  |  |
| 9) | List those movies containing "in" in itstitle. | **[06]** |
| **Query** | SELECT \* FROM movies WHERE title LIKE '%in%'; |  |
| **Result** |  |  |
| 10) | Display Theaters where no movies are running. | **[06]** |
| **Query** | SELECT name FROM movietheaters WHERE movie = 'NULL'; |  |
| **Result** |  |  |
| 11) | Display movies which are released in month of January. | **[06]** |
| **Query** | SELECT \* FROM movies WHERE MONTH(ReleaseDate) = 01; |  |
| **Result** |  |  |
| 12) | List movie date, current date and total year of release. | **[06]** |
| **Query** | SELECT releasedate,current\_date,TIMESTAMPDIFF(YEAR,releasedate,current\_date) AS Total\_Year\_of\_Release FROM movies; |  |
| **Result** |  |  |
| 13) | Update the unrated movie with following ratings "One, Two, Three". | **[06]** |
| **Query** | UPDATE movies SET rating = 'One' WHERE code = 4;  UPDATE movies SET rating = 'Two' WHERE code = 5;  UPDATE movies SET rating = 'Three' WHERE code = 8; |  |
| **Result** |  |  |
| 14) | Set the rating of movies “G” to “five” | **[06]** |
| **Query** | UPDATE movies SET rating = 'Five' WHERE Rating = 'G'; |  |
| **Result** |  |  |

**Note:**

1. Fill your details on 1st page
2. Rename this file as **YOUR\_ROLLNO** \_Test1\_CSD\_2204\_Movies.docx and upload on moodle.
3. tee C:/Users/<userid>/Download/LOG\_**YOUR\_ROLLNO** \_Test1.txt

**LOG**

1. Records have been inserted using load file comment.
2. Used update query for movies table
3. Used MONTH(RealeaseDate)