Lab Sheet Number : 05

Topic : Writing SQL Queries – Part I

E Number: E/18/375

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TASK 1 QUERIES

1) CREATE DATABASE E18375Lab05;

2)USE E18375Lab05;

3) CREATE TABLE MOVIE

-> (MovieID INT NOT NULL,

-> Title VARCHAR(30) NOT NULL,

-> Year INT(4) NOT NULL,

-> Director VARCHAR(30) NULL,

-> PRIMARY KEY (MovieID));

4) DESCRIBE MOVIE;

5) CREATE TABLE REVIEWER

-> (

-> ReviewerID INT NOT NULL,

-> ReviewerName VARCHAR(30) NOT NULL,

-> PRIMARY KEY (ReviewerID)

-> );

6) DESCRIBE REVIEWER;

7) CREATE TABLE RATING

-> (

-> ReviewerID INT NOT NULL,

-> MovieID INT NOT NULL,

-> Stars INT NOT NULL,

-> RatingDate DATE NULL,

-> FOREIGN KEY(ReviewerID) REFERENCES REVIEWER(ReviewerID) ON UPDATE CASCADE ON DELETE CASCADE,

-> FOREIGN KEY(MovieID) REFERENCES MOVIE(MovieID) ON UPDATE CASCADE ON DELETE CASCADE

-> );

8) DESCRIBE RATING;

9) INSERT INTO RATING

-> VALUES(201,101,2,'2011-01-22'),

-> (201,101,4,'2011-01-27'),

-> (202,106,4,null),

-> (203,103,2,'2011-01-20'),

-> (203,108,4,'2011-01-12'),

-> (203,108,2,'2011-01-30'),

-> (204,101,3,'2011-01-09'),

-> (205,103,3,'2011-01-27'),

-> (205,104,2,'2011-01-22'),

-> (205,108,4,null),

-> (206,107,3,'2011-01-15'),

-> (206,106,5,'2011-01-19'),

-> (207,107,5,'2011-01-20'),

-> (208,104,3,'2011-01-02');

10) SELECT \*

-> FROM RATING;

TASK 01 RESULTS

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TASK 02 QUERIES

1) SELECT \*

-> FROM MOVIE

-> ;

2) SELECT \*

-> FROM MOVIE

-> WHERE Director='James Cameron';

3) SELECT \*

-> FROM MOVIE

-> WHERE Director='James Cameron' AND Year>=2000;

4) SELECT Stars

-> FROM RATING;

5) SELECT DISTINCT Stars

-> FROM RATING;

6) SELECT MovieID,Director

-> FROM MOVIE;

7) SELECT MovieID,Title,Year

-> FROM MOVIE

-> WHERE Director='Steven Spielberg';

8) > SELECT \*

-> FROM MOVIE

-> CROSS JOIN RATING;

9) SELECT MOVIE.MovieID,MOVIE.Title,RATING.MovieID,RATING.ReviewerID,RATING.Stars

-> FROM MOVIE

-> CROSS JOIN RATING;

10) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID;

11) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND Stars<=3;

12) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND Stars<=4 AND Stars>=2;

13) SELECT REVIEWER.ReviewerID,RATING.MovieID

-> FROM REVIEWER,RATING

-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;

14) SELECT DISTINCT REVIEWER.ReviewerID,RATING.MovieID

-> FROM REVIEWER,RATING

-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;

15) SELECT MOVIE.MovieID,Title,REVIEWER.ReviewerID,ReviewerName,Stars

-> FROM MOVIE,REVIEWER,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID;

16) SELECT MOVIE.MovieID,Title,REVIEWER.ReviewerID,ReviewerName,Stars

-> FROM MOVIE,REVIEWER,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID AND Stars=5;

17) SELECT Title,ReviewerName,Stars

-> FROM MOVIE,REVIEWER,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID AND RatingDate IS NULL;

18) SELECT Director AS NAME FROM MOVIE WHERE Director IS NOT NULL

-> UNION

-> SELECT ReviewerName AS NAME FROM REVIEWER WHERE ReviewerName IS NOT NULL;

19) SELECT \*

-> FROM REVIEWER

-> WHERE SUBSTR(ReviewerName,LOCATE(' ',ReviewerName)+1,LENGTH(ReviewerName)-LOCATE(' ',ReviewerName)) ='Martinez';

20) SELECT \*

-> FROM RATING

-> WHERE SUBSTR(RatingDate,9,2) <10;

21) SELECT \*

-> FROM RATING

-> WHERE DAY(RatingDate) <10;

22) UPDATE RATING

-> SET Stars=Stars+1

-> WHERE ReviewerID=

-> (SELECT ReviewerID

-> FROM REVIEWER

-> WHERE ReviewerName='Brittany Harris');

SELECT \*

-> FROM RATING

-> ;

23) SELECT Title,ReviewerName,Stars

-> from MOVIE,REVIEWER,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID

-> ORDER BY Title;

24) SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY Title;

SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY Stars DESC;

SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY RatingDate DESC;

25) SELECT \*

-> FROM MOVIE

-> WHERE Director=

-> (SELECT DISTINCT Director

-> FROM MOVIE,REVIEWER

-> WHERE MOVIE.Director=REVIEWER.ReviewerName);

TASK 02 RESULTS

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