**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Academic Year: 2023 - 24**

**COURSE CODE: DJS22ITL302 CLASS: S. Y. B. Tech. Sem III**

**COURSE NAME: DBMS LAB SAP ID: 60003220045**

**Name: ANISH SHARMA**

**EXPERIMENT NO. 4**

**Implement the SQL statements for the following questions :**

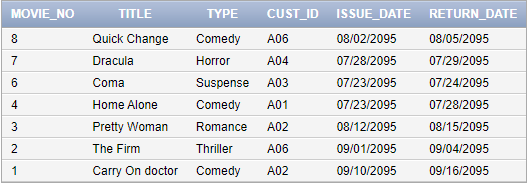
1. Display movie no, title, type ,cust\_id, issue date and return date using INNER JOIN, LEFT OUTER JOIN, RIGHT OUTER JOIN and FULL OUTER JOIN in the descending order of movie no.

SELECT MOVIE.Movie\_no, MOVIE.Title, MOVIE.Type, Invoice.Cust\_id, Invoice.Issue\_date, Invoice.Return\_date

FROM MOVIE

INNER JOIN Invoice ON MOVIE.Movie\_no = Invoice.Movie\_no

ORDER BY MOVIE.Movie\_no DESC;

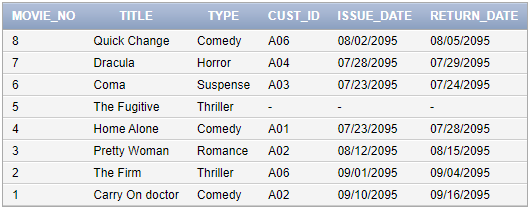


SELECT MOVIE.Movie\_no, MOVIE.Title, MOVIE.Type, Invoice.Cust\_id, Invoice.Issue\_date, Invoice.Return\_date

FROM MOVIE

LEFT JOIN Invoice ON MOVIE.Movie\_no = Invoice.Movie\_no

ORDER BY MOVIE.Movie\_no DESC;

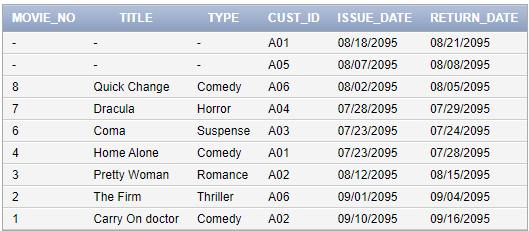


SELECT MOVIE.Movie\_no, MOVIE.Title, MOVIE.Type, Invoice.Cust\_id, Invoice.Issue\_date, Invoice.Return\_date

FROM MOVIE

RIGHT JOIN Invoice ON MOVIE.Movie\_no = Invoice.Movie\_no

ORDER BY MOVIE.Movie\_no DESC;

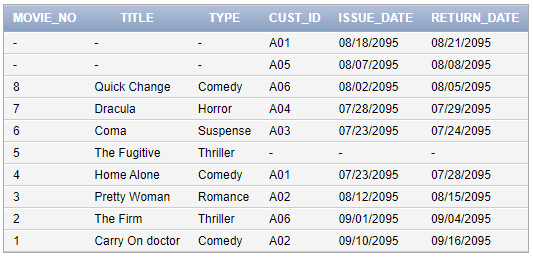


SELECT MOVIE.Movie\_no, MOVIE.Title, MOVIE.Type, Invoice.Cust\_id, Invoice.Issue\_date, Invoice.Return\_date

FROM MOVIE

FULL JOIN Invoice ON MOVIE.Movie\_no = Invoice.Movie\_no

ORDER BY MOVIE.Movie\_no DESC;



1. Find the lname,fname who have been issued moves

SELECT CM.Lname, CM.Fname

FROM Customer\_MASTER CM

INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id;



1. Find out the title and type of movies that have been issued to Tina.

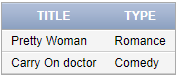
SELECT M.Title, M.Type

FROM MOVIE M

INNER JOIN Invoice I ON M.Movie\_no = I.Movie\_no

INNER JOIN Customer\_MASTER C ON I.Cust\_id = C.Cust\_id

WHERE C.Fname = 'Tina';



1. Display the first names and last names of the customers who have issued movies after 23rd July 95.

SELECT CM.Fname, CM.Lname

FROM Customer\_MASTER CM

INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

WHERE I.Issue\_date > TO\_DATE('1995-07-23', 'YYYY-MM-DD');



1. Find the customer name and area with invoice number ‘I10’.

SELECT CM.Lname || ', ' || CM.Fname AS Customer\_Name, CM.Area

FROM Customer\_MASTER CM

JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

WHERE I.Inv\_no = 'I10';

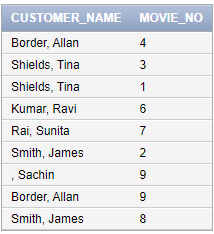


1. Find the names and movie numbers of all the customers who have been issued a movie.

SELECT CM.Lname || ', ' || CM.Fname AS Customer\_Name, I.Movie\_no

FROM Customer\_MASTER CM

INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id;



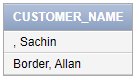
1. Find out which customers have been issued movie number 9.

SELECT CM.Lname || ', ' || CM.Fname AS Customer\_Name

FROM Customer\_MASTER CM

INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

WHERE I.Movie\_no = 9;



1. Find the name of the movie issued to Tina and Allan.

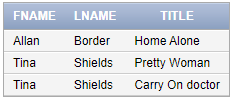
SELECT CM.Fname, CM.Lname, M.Title

FROM Customer\_MASTER CM

INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

INNER JOIN MOVIE M ON I.Movie\_no = M.Movie\_no

WHERE CM.Fname IN ('Tina', 'Allan');



1. For the above query create a view.

CREATE VIEW MoviesIssuedToTinaAndAllan AS

SELECT CM.Fname, CM.Lname, M.Title

FROM Customer\_MASTER CM

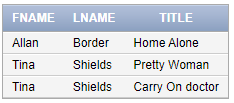
INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

INNER JOIN MOVIE M ON I.Movie\_no = M.Movie\_no

WHERE CM.Fname IN ('Tina', 'Allan');



SELECT \* FROM MoviesIssuedToTinaAndAllan;



1. Modify the above view to add the price of the movie.

CREATE OR REPLACE VIEW MoviesIssuedToTinaAndAllan AS

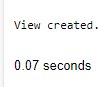
SELECT CM.Fname, CM.Lname, M.Title, M.Price

FROM Customer\_MASTER CM

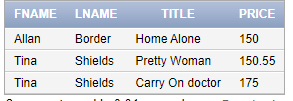
INNER JOIN Invoice I ON CM.Cust\_id = I.Cust\_id

INNER JOIN MOVIE M ON I.Movie\_no = M.Movie\_no

WHERE CM.Fname IN ('Tina', 'Allan');



SELECT \* FROM MoviesIssuedToTinaAndAllan;



1. Drop the view.

DROP VIEW MoviesIssuedToTinaAndAllan;

