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|  | **Amrita School of Engineering** |  |
| **Date: JUNE 11, 2019** | **DBMS Lab** | **V semester CSE A** |

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|  | **Create the following tables** | |  |  |  |
| **1.** | **Customer Master Table:** | |  | **Cust** | |
| **Attribute Name** | | **Data Type** |  | **Constraints** |  |
| custid |  | varchar2(3) |  | Primary Key |  |
| Lname |  | Varchar2(15) |  |  |  |
| Fname |  | Varchar2(15) |  |  |  |
| area |  | Varchar2(2) |  |  |  |
| phoneno |  | Number(8) |  |  |  |
| **2.** | **Movies Master Table**: | | **Movie** | | |
| **Attribute Name** | | **Data Type** |  | **Constraints** |  |
| Mvno |  | Number(2) |  | Primary Key |  |
| title |  | Varchar2(25) |  |  |  |
| type |  | Varchar2(10) |  |  |  |
| star |  | Varchar2(25) |  |  |  |
| price |  | Number(8,2) |  |  |  |
| **3.** | **Invoice transaction Table :** | |  | **Invoice** | |
| **Attribute Name** | | **Data Type** |  | **Constraints** | |
| Invno |  | Varchar2(3) |  | Primary Key | |
| mvno |  | Number(2) |  | Foreign key movie(mvno) | |
| custid |  | Varchar2(3) |  | Foreign key cust(custid) | |
| issueDate |  | Date |  |  |  |
| retDate |  | Date |  |  |  |

* **date format in sql- dd-mm-yy [12-jul-1990]**
  1. **Insert the following data into the tables created Table:Customer**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **custid** | **Lname** | **Fname** | | | **Area** | **PhoneNo** | |
| A01 | Bayross | Ivan | |  | Sa | 6125467 | |
| A02 | Saitwal | Vandana | | | Mu | 5560379 | |
| A03 | Jaguste | Pramada | | | Da | 4563891 | |
| A04 | Navindgi | Basu | |  | Ba | 6125401 | |
| A05 | Sreedhar | Ravi | |  | Va |  |  |
| A06 |  | Rukmini | | | Gh | 5125274 | |
| **Table:Movie** |  |  |  |  |  |  |  |
| **mvno** | **title** |  |  | **type** | **star** |  | **price** |
| 1 | Bloody Vengeance | |  | action | Jackie Chan |  | 100.00 |
| 2 | The Firm |  |  | thriller | Tom cruise |  | 200.00 |
| 3 | Police Story |  |  | action | Jackie Chan |  | 150.00 |
| 4 | Home Alone |  |  | Comedy | Macaulay Culkin |  | 150.55 |
| 5 | The Fugitive |  |  | Thriller | Harrison Ford |  | 200.00 |
| 6 | Coma |  |  | Suspense | Michael Douglas |  | 100.00 |
| 7 | Dracula |  |  | Horror | Gary Oldman |  | 150.25 |
| 8 | Quick change |  |  | Comedy | Bill Murray |  | 100.00 |
| 9 | Gone with the wind | |  | Drama | Clarke Gable |  | 250.00 |
| 10 | Carry on Doctor |  |  | Comedy | Leslie Phillips |  | 100.00 |
|  |  |  |  |  |  |  |  |
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**Amrita School of Engineering**

**Date: JUNE 20, 2018** **DBMS Lab** **V semester CSE E**

**Table:Invoice**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Invno** | **mvno** | **custid** | **issueDate** | **retDate** |
| i01 | 4 | A01 | 23-jul-2012 | 25-jul-2012 |
| i02 | 3 | A02 | 12-aug-2012 | 15-aug-2012 |
| i03 | 1 | A02 | 15-aug-2012 | 18-aug-2012 |
| i04 | 6 | A03 | 10-sep-2012 | 13-sep-2012 |
| i05 | 7 | A04 | 05-aug-2012 | 08-aug-2012 |
| i06 | 2 | A06 | 18-sep-2012 | 20-sep-2012 |
| i07 | 9 | A05 | 07-jul-2012 | 10-jul-2012 |
| i08 | 9 | A01 | 11-aug-2012 | 14-aug-2012 |
| i09 | 5 | A03 | 06-jul-2012 | 09-jul-2012 |
| i10 | 8 | A06 | 03-sep-2012 | 06-sep-2012 |

1. **Write Query statements for the following Table Updations and Deletions**
   1. Change the telephone number of pramada to 466389.

UPDATE TABLE CUSTOMER SET phoneno=466389 WHERE Lname=paramada

* 1. Change the issueDate of custid 'A01' to 24/07/93.

UPDATE TABLE TRANSACTIONSET issueDate=24/07/93 WHERE custid=A01

* 1. Change the price of 'Gone with the wind' to Rs. 250.00.

UPDATE TABLE MOVIE SET PRICE=250.00 WHERE NAME=”GONE WITH THE WIND”

* 1. De!ete the record with invoice number 'i05' from the invoice table.

DELETE FROM INVOICE WHERE Invno=i05

* 1. Delete all the records having return date before 10th July '93

DELETE FROM INVOICE WHERE retData < “10-jul-2012”

* 1. Change the area of *custid a05* to ‘vs’.

UPDATE TABLE CUSTOMER SET AREA=vs WHERE CUSTID=A05

* 1. Insert fname for customer with lname Rukmini

UPDATE TABLE CUSTOMER SET FNAME=’NewFname’ WHERE Lname=’Rukmini’

* 1. Increase the price of all movies by 100.00

UPDATE TABLE CUSTOMER SET PRICE=PRICE+100 WHERE MVNO>0

* 1. Change the area of customers name with 2nd letter **r** to LA

UPDATE TABLE CUSTOMER SET AREA=’LA’ WHERE AREA %r

* 1. Delete all the records of customers who are from ba

DELETE FROM CUSTOMER WHERE AREA=’BA’

* 1. Increase the price of all ‘Thriller’ , ‘Action’ movies by 10%

UPDATE TABLE MOVIE SET PRICE=PRICE\*1.1 WHERE TYPE IN (‘THRILLER’, ‘ACTION’)

.

1. **Write Query statements for the following**
   1. Display the customer id, first name and last name of all customers

SELECT CUSTID, FNAME, LNAME FROM CUSTOMER

* 1. Display the details of invoice number ***i01***

***SELECT \* FROM INVOICE WHERE INVNO = i01***

* 1. Display the names of movies whose price fall in the range 100 to 200

SELECT Mvno FROM MOVIES WHERE PRICE>100 AND PRICE<200

* 1. Display the id of all customers who rented the movies

SELECT CUSTID FROM INVOICE

* 1. Display the id of all customers who rented the movies in the month of august and september

SELECT CUSTID FROM INVOICE WHERE ISSUEDATE>01-aug-2012 AND ISSUEDATE<31-Sep-2012

* 1. Display the details of all movies

SELECT \* FROM MOVIES

* 1. Display the types of films having price greater than or equal to 200

SELECT TYPE FROM MOVIE WHERE PRICE>200

* 1. Display the name, actors of movies with price not equal to 200

SELECT TITLE, STAR FROM MOVIE WHERE PRICE NOT 200

* 1. Display the movie names whose star is either Jackie Chan or Tom Cruise

SELECT TITLE FROM MOVIE WHERE STAR IN (‘Jackie Chan’, ‘Tom Cruise’)

* 1. Display the type of movie ‘Gone with the wind’

SELECT TYPE FROM MOVIE WHERE TITLE=’Gone With the Wind’

* 1. Display all movies that starts with ‘*The’*

*SELECT \* FROM MOVIES WHERE NAME LIKE The\**

* 1. Display the name, type and start of all movies that do not belong to comedy type

SELECT NAME, TYPE, STAR FROM MOVIE WHERE TYPE NOT COMEDY

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