**Name: Ritu Choudhary**

**Branch: Mca(Ai&Ml)-Sem2**

**Section: B**

**Batch: B3**

**Roll no : 51**



**Practical 1**

**Create following tables according to the following definition.**

**DEPOSIT: Actno, Cname, Bname, Amount, Adate**

**BRANCH: Bname,City**

**CUSTOMERS: Cname, City**

**BORROW: Loanno, Cname, Bname, Amount**

|  |  |  |  |
| --- | --- | --- | --- |
| **DEPOSIT** | | **BRANCH** | |
| **Columnname** | **Size** | **Columnname** | **Size** |
| **Actno 5**  **Cname 20**  **Bname 20**  **Amount 8,2**  **Adate** | | **Bname 20**  **City 20** | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CUSTOMERS** | |  | **BORROW** | |
| **Columnname** | **Size** |  | **Columnname** | **Size** |
| **Cname** | **20** |  | **Loanno** | **5** |
| **City** | **20** |  | **CNAME** | **20** |
|  |  |  | **BNAME** | **20** |
|  |  |  | **AMOUNT** | **8,2** |

**Query for creating DEPOSIT table: -**

CREATE TABLE DEPOSIT(

Actno NUMBER(5),

Cname VARCHAR(20),

Bname VARCHAR(20),

Amount DECIMAL(8,2),

Adate DATE

);

DESC DEPOSIT;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [DEPOSIT](about:blank) | [ACTNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |
|  | [ADATE](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

**Query for creating BRANCH table: -**

CREATE TABLE BRANCH(

Bname VARCHAR(20),

City VARCHAR(20)

);

DESC BRANCH;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BRANCH](about:blank) | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**Query for creating CUSTOMERS table: -**

CREATE TABLE CUSTOMERS(

Cname VARCHAR(20),

City VARCHAR(20)

);

DESC CUSTOMERS;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [CUSTOMERS](about:blank) | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**Query for creating BORROW table: -**

CREATE TABLE BORROW(

LoanNo NUMBER(5),

Cname VARCHAR(20),

Bname VARCHAR(20),

Amount DECIMAL(8,2)

);

DESC BORROW;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BORROW](about:blank) | [LOANNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |

**1. Add new column DOB into the CUSTOMER table.**

**Query: -**

ALTER TABLE CUSTOMERS

ADD DOB DATE;

DESC CUSTOMERS;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [CUSTOMERS](about:blank) | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [DOB](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

**2. Add LOCATION column in BRANCH table**

**Query: -**

ALTER TABLE BRANCH

ADD Location VARCHAR(20);

DESC BRANCH;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BRANCH](about:blank) | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [LOCATION](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**3. Modify customer name space to 30 characters.**

**Query: -**

ALTER TABLE CUSTOMERS

MODIFY Cname VARCHAR(30);

DESC CUSTOMERS;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [CUSTOMERS](about:blank) | [CNAME](about:blank) | VARCHAR2 | 30 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [DOB](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

**4. Change datatype of Loan number column to numeric type.**

**Query: -**

ALTER TABLE BORROW

MODIFY LoanNo NUMERIC(5);

DESC BORROW;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BORROW](about:blank) | [LOANNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |

**5. Delete LOCATION column.**

**Query: -**

ALTER TABLE BRANCH

DROP COLUMN Location;

DESC BRANCH;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BRANCH](about:blank) | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**6. Create DEPOSIT\_TMP table that contains all information of DEPOSIT table.**

**Query: -**

CREATE TABLE DEPOSIT\_TMP AS

SELECT \* FROM DEPOSIT;

DESC DEPOSIT\_TMP;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [DEPOSIT\_TMP](about:blank) | [ACTNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |
|  | [ADATE](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

**7. Create BRANCH\_TMP table that contains only structure same as BRANCH table.**

**Query: -**

CREATE TABLE BRANCH\_TMP AS

SELECT \* FROM BRANCH WHERE 1 = 0;

DESC BRANCH\_TMP;

**Output: -**

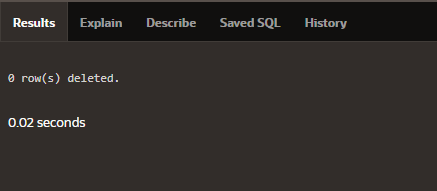
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BRANCH\_TMP](about:blank) | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**8. Remove all rows from DEPOSIT\_TMP table.**

**Query: -**

DELETE FROM DEPOSIT\_TMP;

**Output: -**

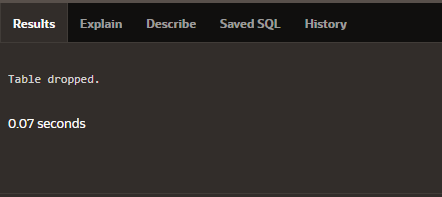
****

**9. Delete DEPOSIT\_TMP.**

**Query: -**

DROP TABLE DEPOSIT\_TMP;

**Output: -**

****

**Insert the data as shown below.**

**DEPOSIT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACTNO** | **CNAME** | **BNAME** | **AMOUNT** | **ADATE** |
| **1** | **Abhinav** | **STATE BANK OF INDIA** | **1000.00** | **1-MAR-95** |
| **2** | **Aditya** | **KOTAK MAHINDRA BANK** | **5000.00** | **4-JAN-96** |
| **3** | **Minal** | **ANDHRA BANK** | **3500.00** | **17-NOV-95** |
| **4** | **Shrushti** | **YES BANK** | **1200.00** | **17-DEC-95** |
| **5** | **Radha** | **DENA BANK** | **3000.00** | **27-MAR-96** |
| **6** | **Akash** | **UCO** | **2000.00** | **31-MAR-96** |
| **7** | **Aniket** | **CITY** | **1000.00** | **5-SEP-95** |
| **8** | **Chandan** | **UNION** | **5000.00** | **2-JUL-95** |
| **9** | **Dushant** | **NAGPUR** | **7000.00** | **10-AUG-95** |

**BRANCH**

|  |  |
| --- | --- |
| **BNAME** | **CITY** |
| **STATE BANK OF INDIA** | **NAGPUR** |
| **KOTAK MAHINDRA BANK** | **NAGPUR** |
| **ANDHRA BANK** | **DELHI** |
| **YES BANK** | **DELHI** |
| **DENA BANK** | **NAGPUR** |
| **UCO** | **BANGLORE** |
| **CITY** | **BOMBAY** |
| **UNION** | **BOMBAY** |
| **STATE BANK OF INDIA** | **DELHI** |
| **KOTAK MAHINDRA BANK** | **BOMBAY** |

**CUSTOMERS**

|  |  |
| --- | --- |
| **CNAME** | **CITY** |
| **Abhinav** | **CALCUTTA** |
| **Aditya** | **DELHI** |
| **Mrinal** |  |
| **Shrushti** | **PATNA** |
| **Radha** | **NAGPUR** |
| **Akash** | **NAGPUR** |
| **Aniket** | **SURAT** |
| **Chandan** | **BOMBAY** |
| **Dushant** | **BOMBAY** |

**BORROW**

|  |  |  |  |
| --- | --- | --- | --- |
| **LOANNO** | **CNAME** | **BNAME** | **AMOUNT** |
| **10** | **Abhinav** | **STATE BANK OF INDIA** | **1000.00** |
| **20** | **Aditya** | **KOTAK MAHINDRA BANK** | **5000.00** |
| **30** | **Minal** | **ANDHRA BANK** | **3000.00** |
| **40** | **Shrushti** | **YES BANK** | **2000.00** |
| **50** | **Radha** | **DENA BANK** | **8000.00** |
| **60** | **Akash** | **UCO** | **3000.00** |
| **70** | **Aniket** | **CITY** | **4000.00** |

**Query for inserting values in DEPOSIT table: -**

INSERT ALL

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (1, 'Abhinav', 'SBI', 1000.00, '03-01-1995')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (2, 'Aditya', 'KOTAK MAHINDRA BANK', 5000.00, '01-04-1996')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (3, 'Minal', 'ANDHRA BANK', 3500.00, '11-11-1995')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (4, 'Shrushti', 'YES BANK', 1200.00, '09-12-1995')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (5, 'Radha', 'DENA BANK', 3000.00, '11-03-1996')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (6, 'Akash', 'UCO', 2000.00, '03-31-1996')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (7, 'Aniket', 'CITY', 1000.00, '09-05-1995')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (8, 'Chandan', 'UNION', 5000.00, '07-02-1995')

INTO DEPOSIT(Actno, Cname, Bname, Amount, Adate) VALUES (9, 'Dushant', 'NAGPUR', 7000.00, '08-10-1995')

SELECT \* FROM DUAL;

**Output: -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACTNO** | **CNAME** | **BNAME** | **AMOUNT** | **ADATE** |
| 1 | Abhinav | SBI | 1000 | 3/1/1995 |
| 2 | Aditya | KOTAK MAHINDRA BANK | 5000 | 1/4/1996 |
| 3 | Minal | ANDHRA BANK | 3500 | 11/11/1995 |
| 4 | Shrushti | YES BANK | 1200 | 9/12/1995 |
| 5 | Radha | DENA BANK | 3000 | 11/3/1996 |
| 6 | Akash | UCO | 2000 | 3/31/1996 |
| 7 | Aniket | CITY | 1000 | 9/5/1995 |
| 8 | Chandan | UNION | 5000 | 7/2/1995 |
| 9 | Dushant | NAGPUR | 7000 | 8/10/1995 |

**Query for inserting values in BRANCH table: -**

INSERT ALL

INTO BRANCH(Bname, City)VALUES('SBI','NAGPUR')

INTO BRANCH(Bname, City)VALUES('KOTAK MAHINDRA BANK','NAGPUR')

INTO BRANCH(Bname, City)VALUES('ANDHRA BANK','DELHI')

INTO BRANCH(Bname, City)VALUES('YES BANK','DELHI')

INTO BRANCH(Bname, City)VALUES('DENA BANK','NAGPUR')

INTO BRANCH(Bname, City)VALUES('UCO','BANGALORE')

INTO BRANCH(Bname, City)VALUES('CITY','BOMBAY')

INTO BRANCH(Bname, City)VALUES('UNION','BOMBAY')

INTO BRANCH(Bname, City)VALUES('SBI','DELHI')

INTO BRANCH(Bname, City)VALUES('KOTAK MAHINDRA BANK','BOMBAY')

SELECT \* FROM DUAL;

**Output: -**

|  |  |
| --- | --- |
| **BNAME** | **CITY** |
| SBI | NAGPUR |
| KOTAK MAHINDRA BANK | NAGPUR |
| ANDHRA BANK | DELHI |
| YES BANK | DELHI |
| DENA BANK | NAGPUR |
| UCO | BANGALORE |
| CITY | BOMBAY |
| UNION | BOMBAY |
| SBI | DELHI |
| KOTAK MAHINDRA BANK | BOMBAY |

**Query for inserting values in CUSOMERS table: -**

INSERT ALL

INTO CUSTOMERS(Cname, City)VALUES('Abhinav', 'CALCUTTA')

INTO CUSTOMERS(Cname, City)VALUES('Aditya', 'DELHI')

INTO CUSTOMERS(Cname, City)VALUES('Mrinal', 'NAGPUR')

INTO CUSTOMERS(Cname, City)VALUES('Shrushti', 'PATNA')

INTO CUSTOMERS(Cname, City)VALUES('Radha', 'NAGPUR')

INTO CUSTOMERS(Cname, City)VALUES('Akash', 'NAGPUR')

INTO CUSTOMERS(Cname, City)VALUES('Aniket', 'SURAT')

INTO CUSTOMERS(Cname, City)VALUES('Chandan', 'BOMBAY')

INTO CUSTOMERS(Cname, City)VALUES('Dushant', 'BOMBAY')

SELECT \* FROM DUAL;

**Output: -**

|  |  |  |
| --- | --- | --- |
| **CNAME** | **CITY** | **DOB** |
| Abhinav | CALCUTTA | - |
| Aditya | DELHI | - |
| Mrinal | NAGPUR | - |
| Shrushti | PATNA | - |
| Radha | NAGPUR | - |
| Akash | NAGPUR | - |
| Aniket | SURAT | - |
| Chandan | BOMBAY | - |
| Dushant | BOMBAY | - |

**Query for inserting values in BORROW table: -**

INSERT ALL

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(10, 'Abhinav', 'SBI', 1000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(20, 'Aditya', 'KOTAK MAHINDRA BANK', 5000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(30, 'Minal', 'ANDHRA BANK', 3000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(40, 'Shrushti', 'YES BANK', 2000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(50, 'Radha', 'DENA BANK', 8000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(60, 'Akash', 'UCO', 3000.00)

INTO BORROW(Loanno, Cname, Bname, Amount)VALUES(70, 'Aniket', 'CITY', 4000.00)

SELECT \* FROM DUAL;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| **LOANNO** | **CNAME** | **BNAME** | **AMOUNT** |
| 10 | Abhinav | SBI | 1000 |
| 20 | Aditya | KOTAK MAHINDRA BANK | 5000 |
| 30 | Minal | ANDHRA BANK | 3000 |
| 40 | Shrushti | YES BANK | 2000 |
| 50 | Radha | DENA BANK | 8000 |
| 60 | Akash | UCO | 3000 |
| 70 | Aniket | CITY | 4000 |

**From the above given tables perform the following queries:**

**1. Describe deposit, branch.**

**Query: -**

DESC DEPOSIT;

DESC BRANCH;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [DEPOSIT](about:blank) | [ACTNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |
|  | [ADATE](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BRANCH](about:blank) | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |

**2. Describe borrow, customers.**

**Query: -**

DESC CUSTOMERS;

DESC BORROW;

**Output: -**

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [CUSTOMERS](about:blank) | [CNAME](about:blank) | VARCHAR2 | 30 | - | - | - | nullable | - | - |
|  | [CITY](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [DOB](about:blank) | DATE | 7 | - | - | - | nullable | - | - |

| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [BORROW](about:blank) | [LOANNO](about:blank) | NUMBER | - | 5 | 0 | - | nullable | - | - |
|  | [CNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [BNAME](about:blank) | VARCHAR2 | 20 | - | - | - | nullable | - | - |
|  | [AMOUNT](about:blank) | NUMBER | - | 8 | 2 | - | nullable | - | - |

**3. List all data from table DEPOSIT.**

**Query: -**

SELECT \* FROM DEPOSIT;

**Output: -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACTNO** | **CNAME** | **BNAME** | **AMOUNT** | **ADATE** |
| 1 | Abhinav | SBI | 1000 | 3/1/1995 |
| 2 | Aditya | KOTAK MAHINDRA BANK | 5000 | 1/4/1996 |
| 3 | Minal | ANDHRA BANK | 3500 | 11/11/1995 |
| 4 | Shrushti | YES BANK | 1200 | 9/12/1995 |
| 5 | Radha | DENA BANK | 3000 | 11/3/1996 |
| 6 | Akash | UCO | 2000 | 3/31/1996 |
| 7 | Aniket | CITY | 1000 | 9/5/1995 |
| 8 | Chandan | UNION | 5000 | 7/2/1995 |
| 9 | Dushant | NAGPUR | 7000 | 8/10/1995 |

**4. Give account no and amount of depositors.**

**Query: -**

SELECT Actno, Amount FROM DEPOSIT;

**Output: -**

|  |  |
| --- | --- |
| **ACTNO** | **AMOUNT** |
| 1 | 1000 |
| 2 | 5000 |
| 3 | 3500 |
| 4 | 1200 |
| 5 | 3000 |
| 6 | 2000 |
| 7 | 1000 |
| 8 | 5000 |
| 9 | 7000 |
|  |  |

**5. Give name of depositors having amount greater than 4000.**

**Query: -**

SELECT Cname FROM DEPOSIT

WHERE Amount > 4000;

**Output: -**

|  |
| --- |
| **CNAME** |
| Aditya |
| Chandan |
| Dushant |

**6. List all data from table BORROW.**

**Query: -**

SELECT \* FROM BORROW;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| **LOANNO** | **CNAME** | **BNAME** | **AMOUNT** |
| 10 | Abhinav | SBI | 1000 |
| 20 | Aditya | KOTAK MAHINDRA BANK | 5000 |
| 30 | Minal | ANDHRA BANK | 3000 |
| 40 | Shrushti | YES BANK | 2000 |
| 50 | Radha | DENA BANK | 8000 |
| 60 | Akash | UCO | 3000 |
| 70 | Aniket | CITY | 4000 |

**7. Give customer name and loan amount of borrowers.**

**Query: -**

SELECT Cname, Amount FROM BORROW;

**Output: -**

|  |  |
| --- | --- |
| **CNAME** | **AMOUNT** |
| Abhinav | 1000 |
| Aditya | 5000 |
| Minal | 3000 |
| Shrushti | 2000 |
| Radha | 8000 |
| Akash | 3000 |
| Aniket | 4000 |

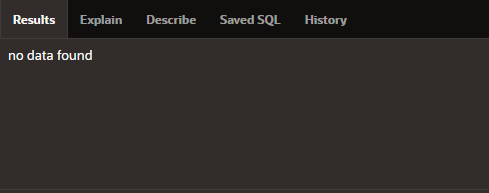
**8. Give name of borrows from YES BANK branch and loan amount greater than 3000.**

**Query: -**

SELECT Cname FROM BORROW

WHERE Bname = 'YES BANK' AND Amount > 3000;

**Output: -**

****

**9. List all data from table CUSTOMERS.**

**Query: -**

SELECT \* FROM CUSTOMERS;

**Output: -**

|  |  |  |
| --- | --- | --- |
| **CNAME** | **CITY** | **DOB** |
| Abhinav | CALCUTTA | - |
| Aditya | DELHI | - |
| Mrinal | NAGPUR | - |
| Shrushti | PATNA | - |
| Radha | NAGPUR | - |
| Akash | NAGPUR | - |
| Aniket | SURAT | - |
| Chandan | BOMBAY | - |
| Dushant | BOMBAY | - |

**10. List name of customers from BOMBAY.**

**Query: -**

SELECT Cname FROM CUSTOMERS

WHERE City = 'BOMBAY';

**Output: -**

|  |
| --- |
| **CNAME** |
| Chandan |
| Dushant |

**11. List all data from table BRANCH.**

**Query: -**

SELECT \* FROM BRANCH;

**Output: -**

|  |  |
| --- | --- |
| **BNAME** | **CITY** |
| SBI | NAGPUR |
| KOTAK MAHINDRA BANK | NAGPUR |
| ANDHRA BANK | DELHI |
| YES BANK | DELHI |
| DENA BANK | NAGPUR |
| UCO | BANGALORE |
| CITY | BOMBAY |
| UNION | BOMBAY |
| SBI | DELHI |
| KOTAK MAHINDRA BANK | BOMBAY |

**12. Give name of customers who opened account after date '1-12-96'.**

**Query: -**

SELECT Cname FROM DEPOSIT

WHERE Adate > '01-12-96';

**Output: -**

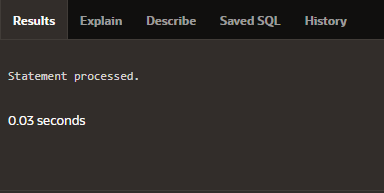
|  |
| --- |
| **CNAME** |
| Radha |
| Akash |

**Change the name of borrow to loan (rename borrow to loan)**

**Query: -**

RENAME BORROW TO LOAN;

**Output: -**

****

**Give the SQL solutions for following queries**

**1. Select branch names from the loan relation**

**Query: -**

SELECT Bname FROM LOAN;

**Output: -**

|  |
| --- |
| **BNAME** |
| SBI |
| KOTAK MAHINDRA BANK |
| ANDHRA BANK |
| YES BANK |
| DENA BANK |
| UCO |
| CITY |

**2. List all the tuples & attributes from the loan relation**

**Query: -**

SELECT \* FROM LOAN;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| **LOANNO** | **CNAME** | **BNAME** | **AMOUNT** |
| 10 | Abhinav | SBI | 1000 |
| 20 | Aditya | KOTAK MAHINDRA BANK | 5000 |
| 30 | Minal | ANDHRA BANK | 3000 |
| 40 | Shrushti | YES BANK | 2000 |
| 50 | Radha | DENA BANK | 8000 |
| 60 | Akash | UCO | 3000 |
| 70 | Aniket | CITY | 4000 |

**3. Select branch\_name & loan no. From the loan relation.**

**Query: -**

SELECT Bname, LoanNo FROM LOAN;

**Output: -**

|  |  |
| --- | --- |
| **BNAME** | **LOANNO** |
| SBI | 10 |
| KOTAK MAHINDRA BANK | 20 |
| ANDHRA BANK | 30 |
| YES BANK | 40 |
| DENA BANK | 50 |
| UCO | 60 |
| CITY | 70 |

**4. Select all the loan numbers & amount from the loan relation.**

**Query: -**

SELECT LoanNo, Amount FROM LOAN;

**Output: -**

|  |  |
| --- | --- |
| **LOANNO** | **AMOUNT** |
| 10 | 1000 |
| 20 | 5000 |
| 30 | 3000 |
| 40 | 2000 |
| 50 | 8000 |
| 60 | 3000 |
| 70 | 4000 |

**5. Find all loan no. & amount of the DENA BANK branch where the amount is Greater than 1300**

**Query: -**

SELECT LoanNo, Amount FROM LOAN

WHERE Bname = 'DENA BANK' AND Amount > 1300;

**Output: -**

|  |  |
| --- | --- |
| **LOANNO** | **AMOUNT** |
| 50 | 8000 |

**6. Give 10% interest to all depositors.**

**Query: -**

UPDATE DEPOSIT

SET Amount = Amount \* 1.10;

**Output: -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACTNO** | **CNAME** | **BNAME** | **AMOUNT** | **ADATE** |
| 1 | Abhinav | SBI | 1100 | 3/1/1995 |
| 2 | Aditya | KOTAK MAHINDRA BANK | 5500 | 1/4/1996 |
| 3 | Minal | ANDHRA BANK | 3850 | 11/11/1995 |
| 4 | Shrushti | YES BANK | 1320 | 9/12/1995 |
| 5 | Radha | DENA BANK | 3300 | 11/3/1996 |
| 6 | Akash | UCO | 2200 | 3/31/1996 |
| 7 | Aniket | CITY | 1100 | 9/5/1995 |
| 8 | Chandan | UNION | 5500 | 7/2/1995 |
| 9 | Dushant | NAGPUR | 7700 | 8/10/1995 |

**7. Give 10% interest to all depositors having branch UCO**

**Query: -**

UPDATE DEPOSIT

SET Amount = Amount \* 1.10

WHERE Bname = 'UCO';

**Output: -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACTNO** | **CNAME** | **BNAME** | **AMOUNT** | **ADATE** |
| 1 | Abhinav | SBI | 1100 | 3/1/1995 |
| 2 | Aditya | KOTAK MAHINDRA BANK | 5500 | 1/4/1996 |
| 3 | Minal | ANDHRA BANK | 3850 | 11/11/1995 |
| 4 | Shrushti | YES BANK | 1320 | 9/12/1995 |
| 5 | Radha | DENA BANK | 3300 | 11/3/1996 |
| 6 | Akash | UCO | 2420 | 3/31/1996 |
| 7 | Aniket | CITY | 1100 | 9/5/1995 |
| 8 | Chandan | UNION | 5500 | 7/2/1995 |
| 9 | Dushant | NAGPUR | 7700 | 8/10/1995 |

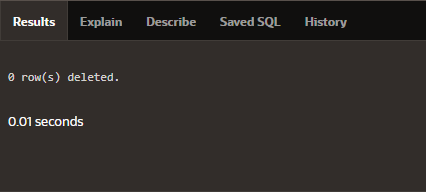
**8. Delete deposit of VIJAY**

**Query: -**

DELETE FROM DEPOSIT

WHERE Cname = 'Vijay';

**Output: -**

****

**9. Delete customers from BOMBAY city**

**Query: -**

DELETE FROM CUSTOMERS

WHERE City = 'BOMBAY';

**Output: -**

|  |  |  |
| --- | --- | --- |
| **CNAME** | **CITY** | **DOB** |
| Abhinav | CALCUTTA | - |
| Aditya | DELHI | - |
| Mrinal | NAGPUR | - |
| Shrushti | PATNA | - |
| Radha | NAGPUR | - |
| Akash | NAGPUR | - |
| Aniket | SURAT | - |

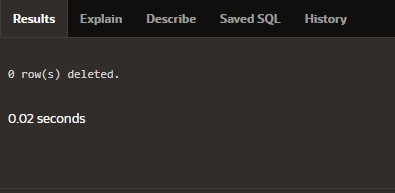
**10. Delete depositors if the branch is ANDHRA BANK and depositor name is Aditya Karansingh Kachhawah.**

**Query: -**

DELETE FROM DEPOSIT

WHERE Bname = 'ANDHRA BANK' AND Cname = 'Aditya Karansingh Kachhawah';

**Output: -**

****

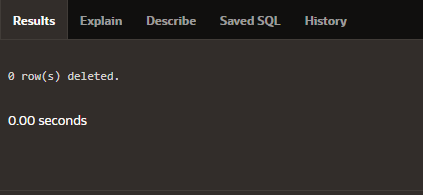
**11. Delete depositors having deposit less than 500**

**Query: -**

DELETE FROM DEPOSIT

WHERE Amount < 500;

**Output: -**

****

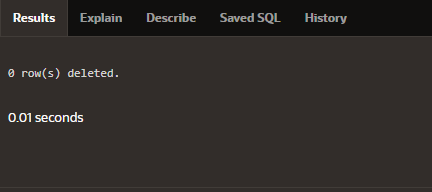
**12. Delete borrower having loan more than 10000**

**Query: -**

DELETE FROM LOAN

WHERE Amount > 10000;

**Output: -**

****

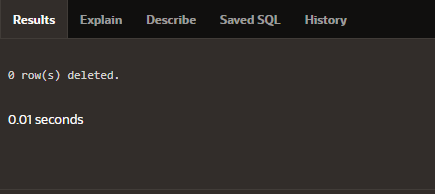
**13. Delete borrower having loan more than 1000 and branch KOTAK MAHINDRA BANK**

**Query: -**

DELETE FROM LOAN

WHERE Amount > 10000 AND Bname = 'KOTAK MAHINDRA BANK';

**Output: -**

****

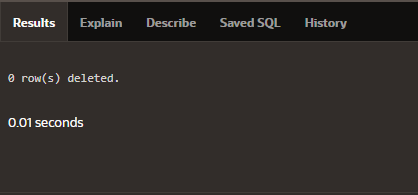
**14. Delete borrower having branch name UCO**

**Query: -**

DELETE FROM LOAN

WHERE Bname = 'UCO';

**Output: -**

****