```
PRACTICE 1.
 Q.N-1.
    CREATE TABLE Students (
       StudentID INT PRIMARY KEY AUTO_INCREMENT,
       First NAME VARCHAR (50) NOT NULL,
LOST NAME VARCHAR (50) NOT NULL,
Age INT CHECK (Age >= 16),
        Enrollment Date DATE DEFAULT CURRENT_DATE,
        Magor VARCHAR (100)
  Question No. 2
 > INSERT INTO Students (StudentIO, First NAME, Low NAME)
   Age, Enrollment Date, Mayor)
   VALUES
   (1, 'Alice', Johnson', 18, '2023-09-01', (computer science')
   (2, Bob, (smith), 20, 2022-06-15', Mathematics'),
   (3, Charlie, Brown', 19, 2021-08-20', Physics'),
  (4, Dassy', 'Carter', 21, 2023 - 01-10', Biology'),
(5, 'Ethan', Taylor', 22, 2023-03-25', Chemistry');
 Question No.3
 1. UPDATE students
   SET Major = 1 Data Science
   WHERE Student ID = 1',
1. UPPATE Students
   SET Age = Age +1
   WHERE Enrollment Date < 12023-01-011;
3. UPDATE Students
   SET LOSTNAMO = 'cooper'
   WHERE First Name = ' Daisy';
9. UPDATE Students
  SET major= undecleared
  WHERE Age < 20;
```

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CONFRIGOR 100. d
6 Contd.
  UPDATE Students
SET Magor = ' Physics'
WHERE Major = 'Brology';
5. UPDATE Students
  SET Enrollment Date = 12029-01011
  WHERE student ID = 5;
7. UPDATE Students
   SET Age = 23
   WHERE First Name = 'charise';
8. UPDATE students
    SET Last Name = Williams
    where major = 'Mathematics';
9. UPBATE Students
  SET first Name = 'Alex'
  WHERE Age = NULL (SELECT MIN (Age) FROM students;
  WHITER C Major = Undeclared
10. UPDATE Students
   SET Age = NULL
   WHERE Magor= 'Undeclared';
11. UPDATE Students
    SET MOGOT= (DBMS)
    WHERE Age = (SELECT MIN (Age) FROM Students)
```

-1' -- N10. A PRACTICE -2 Question NO.L CREATE TABLE Customers Customer ID INT Auto AUTO_ INCREAMENT PRIMARY LEY First Name UARCH AR (50), Last Name VARCHAR (50), Email Harcha VARCHAR (200) UNIQUE, Phone Number VARCHAR (15), Address VARCHAR (200) Question NO. 2 CREATE TABLE Accounts (Account Number INT PRIMARY ICEY, customer ID INT, AccountType VARCHAR (20), Balance DECIMALLIO,2) Date created DATE, FOREIGN KEY (LustomerID) REFERENCES (Customers (ustomerID) Question No. S INSERT INTO Customers (First Name, Last Name, Email, PhoneNumber, Address) VALUES ('John', 'Doe' 'John doe @ email.com', (1234567890', 123mourst), bityville!), (Jani, 'smith', 'Jane. smith @ enail. com', '09876 54321 | '9516 | mst, Townville) (Mike Johnson, mike Johnson Demoil.com, 1222334955, #89 oak st, village ville);

(M) . 124 Question No A 1. DELETE FROM Students WHERE StudentID = 3; 2. DELETE FROM Students WHERE Major = 'undeclared'; 3. DELETE FROM Students WHERE Enrollment Date > 12023-01-01; 4. DELETE FROM Students WHERE Age? 21; 5. DELETE FROM students WHERE First Name = 'Ethan' AND Last Name = Taylor' 6. DELETE FROM Students WHERE Age IS NULL', + DELETE FROM students WHERE Last Wame LIKE 'C%'; 8. DELETE FROM Students

8. DELETE FROM Students WHERE Enrollment Date < 2022-01-01;

9. PELETE FROM students WHERE Magor = 1 Physics;

10. DELETE FROM Students;

Question No. 9 INSERT INTO Accounts (Account Number, Customer 10, Account Type, Balance, Date Created) VALUES (1001, 1, saving, 5000.00, 12023-01-45), (1002,1, 'chedding', 1500.00, 12023-02-201), (1003,2, Saving', 2000.00, 12023-03-01), (1009, 8, Checking', 3000.00, 2023-03-10'); Question No. 5 UPDATE ACCOUNTS SET Balance = 5500.00 WHERE Account Number = 1001; Question No. 6 UPDATE Customers Str Email = Gane. Smith @ newdomain.com! WHERE CustomerID = 2; Question No. 7 UPDATE Accounts SET Ralance = Balance * 1.10 where Account Type = 'Saving'; Question No. 8 SELECT Customers. CustomerID, Customer. First Name, Customers. Last Name, Accounts. Batance FROM customers Join Accounts. Account Type = Saving!;

Question No. 0

SELECT Customers. Customer ID, Customers.

First Name, Customers. Last Nome, Accounts Balance

FROM customers

JOIN Accounts ON customers. Customer ID-Accounts. Customer ! WHERE Accounts Balance 2000 AND Accounts. Account Type schubing

Yuestion No. 10

SELECT Customer ID, Account Number, Account Type, Balance FROM Accounts WHERE Balance (2000)

Question No. 11

DELETE FROM Accounts WHERE AccountNumber = 1002;

Q.NO. L2

DELETE FROM Customers WHERE Phone Number LPKE (128%);

Q.No.13

DELETE FROM Accounts WHERE Date created < 2023-02-01;

Q.N.14

SELECT Customers, first Name, Costomer-Last Name, Accounts. Account Type

FROM Customers

JOIN Accounts ON Customers. Costomer ID = Accounts. Customer IC WHERE Account Balance > 2000;

I KI ICI I Y Z Q.NO. 15 SELECT AccountType, SUM(Balance) As TOTAL Balance FROM ACCOUNTS WHERE Account Type = "saving" GROUP BY Account Type; Q.N. 16 Select Customers. First Name, Customers. Last Name, Accounts-Accountpointer, Accounts. Balance FROM Customers LEFT JOIN ACCOUNTS ON Contomers. Constomer ID=Accounts Contomer [] Q.N. 17 ALTER TABLE Accounts ADD CONSTRAINT check-balance CHECK (Balance >= 0) Q.N. 18 ALTER TABLE Costomers MODZFY COLUMN Email VARCHAR (200) NOTNULL UNIQUE, Q.10.19 ALTER TABLE ACCOUNTS ADD COME CONSTRAINT floustomers FOREIGN KEY (WSTOMERS) REFERENCES Costomers (CostomerID); Q.N. 20 ALTER TABLE Accounts ADD CONSTRAINT Check-account-type CHECK (Account Type IN ('s aving', 'cheking'));

Q.NO. 21 Steet Customers. first Namp, Contomers. Last Name, Accounts. Account Number, MAX (Account, Balance) AS HighestBalance Join Accounts ON customers. Customer ID= Accounts. Customer FROM customers GROUP BY customers. CoistomerID ORDER BY Highest Balance DESC LIMIT I', Q.N. 22 BEGIN TRANSACTION; UPDATE Accounts SET Balance = Balance -1000 WHERE Account Number = 1003; UPDATE Accounts SET Balance = Balance + 1000 wyere Account Number = 1001; COMMIT! Q.N. 23 Stitet costomers. first Name, customers. Last Name, SUM (-Accounts. Balance) As Total Balance FROM Customers JOEN Accounts ON Costomers. Customer ID = Accounts. Customer ID GROUP By Customers. Customer ID;

FROM Accounts SELECT ANG (BOLTANCE) AS Average Balance 0.00 P4

WHERE Account Type= 'saving's 87.25 SELECT COUNT (*) AS TOTAL SOVING ACCOUNTS FROM Accounts

2.5.C set Balance - Balance +500 WHERE Account Number = 1002) BEGIN TRANSACTIONS. wyere Account Number = 1008? UPPATE Accounts COMMIT. SET BALANCE - Balance - 500 UPDATE Accounts