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cqlsh> CREATE KEYSPACE collegeeee
... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh>
cqlsh> USE collegeeee;
cqlsh:collegeeee> CREATE TABLE Student_Info (
...     USN text PRIMARY KEY,
...     Name text,
...     Branch text,
...     Semester int,
...     CGPA float
... );
cqlsh:collegeeee>
cqlsh:collegeeee> INSERT INTO Student_Info (USN, Name, Branch, Semester, CGPA)
... VALUES ('U101','Ananya','CSE',5,8.4);
cqlsh:collegeeee>
cqlsh:collegeeee> INSERT INTO Student_Info (USN, Name, Branch, Semester, CGPA)
... VALUES ('U102','Karthik','ECE',6,7.8);
cqlsh:collegeeee>
cqlsh:collegeeee> INSERT INTO Student_Info (USN, Name, Branch, Semester, CGPA)
... VALUES ('U103','Riya','ISE',4,9.1);
cqlsh:collegeeee> UPDATE Student_Info
... SET CGPA = 8.9
... WHERE USN = 'U102';
cqlsh:collegeeee> SELECT * FROM Student_Info;



| usn  | branch | cgpa | name    | semester |
|------|--------|------|---------|----------|
| U102 | ECE    | 8.9  | Karthik | 6        |
| U101 | CSE    | 8.4  | Ananya  | 5        |
| U103 | ISE    | 9.1  | Riya    | 4        |


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cqlsh:collegeeee> CREATE KEYSPACE libraryyyy
... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:collegeeee>
cqlsh:collegeeee> USE libraryyyy;CREATE TABLE Book_Info (
...     Book_Id text PRIMARY KEY,
...     Title text,
...     Author text,
...     Price float,
...     Category text
... );
cqlsh:libraryyyy> BEGIN BATCH
...     INSERT INTO Book_Info (Book_Id, Title, Author, Price, Category)
...     VALUES ('B101','DBMS','Navathe',450,'Education');
...
...     INSERT INTO Book_Info (Book_Id, Title, Author, Price, Category)
...     VALUES ('B102','OS Concepts','Silberschatz',550,'Education');
...
...     INSERT INTO Book_Info (Book_Id, Title, Author, Price, Category)
...     VALUES ('B103','Python Basics','Guido',300,'Programming');
...     APPLY BATCH;
cqlsh:libraryyyy> UPDATE Book_Info
...     SET Price = 500
...     WHERE Book_Id = 'B101';
cqlsh:libraryyyy> DELETE FROM Book_Info
...     WHERE Book_Id = 'B103';
cqlsh:libraryyyy> SELECT * FROM Book_Info;



| book_id | author       | category  | price | title       |
|---------|--------------|-----------|-------|-------------|
| B102    | Silberschatz | Education | 550   | OS Concepts |
| B101    | Navathe      | Education | 500   | DBMS        |



(2 rows)


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cqlsh:libraryyyy> USE ecommerceeee;
cqlsh:ecommerceeee> CREATE TABLE Customer_Orders (
    ...     Order_Id text PRIMARY KEY,
    ...     Customer_Name text,
    ...     Product_Name text,
    ...     Quantity int,
    ...     Order_Date date
    ... );
cqlsh:ecommerceeee> INSERT INTO Customer_Orders (Order_Id, Customer_Name, Product_Name, Quantity, Order_Date)
    ... VALUES ('0101','Ramesh','Mobile',1,'2025-02-10');
cqlsh:ecommerceeee>
cqlsh:ecommerceeee> INSERT INTO Customer_Orders (Order_Id, Customer_Name, Product_Name, Quantity, Order_Date)
    ... VALUES ('0102','Sita','Laptop',1,'2025-02-11');
cqlsh:ecommerceeee>
cqlsh:ecommerceeee> INSERT INTO Customer_Orders (Order_Id, Customer_Name, Product_Name, Quantity, Order_Date)
    ... VALUES ('0103','Aman','Headphones',2,'2025-02-12');
cqlsh:ecommerceeee> ALTER TABLE Customer_Orders
    ... ADD Delivery_Status text;
cqlsh:ecommerceeee> UPDATE Customer_Orders
    ... SET Delivery_Status = 'Delivered'
    ... WHERE Order_Id = '0102';
cqlsh:ecommerceeee> SELECT * FROM Customer_Orders;

order_id | customer_name | delivery_status | order_date | product_name | quantity
-----+-----+-----+-----+-----+-----+
 0102 |      Sita |     Delivered | 2025-02-11 |      Laptop |      1
 0103 |      Aman |        null | 2025-02-12 | Headphones |      2
 0101 |    Ramesh |        null | 2025-02-10 |     Mobile |      1

(3 rows)

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cqlsh:ecommerceeee> CREATE KEYSPACE companyyy
    ... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:ecommerceeee>
cqlsh:ecommerceeee> USE companyyyy;
cqlsh:companyyyy> CREATE TABLE Employee_Skills (
    ...     Emp_Id text PRIMARY KEY,
    ...     Emp_Name text,
    ...     Skills set<text>
    ... );
cqlsh:companyyyy> INSERT INTO Employee_Skills (Emp_Id, Emp_Name, Skills)
    ... VALUES ('E101','Rahul',{'Java','Python'});
cqlsh:companyyyy>
cqlsh:companyyyy> INSERT INTO Employee_Skills (Emp_Id, Emp_Name, Skills)
    ... VALUES ('E102','Sneha',{'SQL','C++'});
cqlsh:companyyyy> UPDATE Employee_Skills
    ... SET Skills = Skills + {'AWS'}
    ... WHERE Emp_Id = 'E101';
cqlsh:companyyyy> SELECT Emp_Name, Skills FROM Employee_Skills;

emp_name | skills
-----+-----
  Rahul | {'AWS', 'Java', 'Python'}
  Sneha |      {'C++', 'SQL'}

(2 rows)

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cqlsh:companyyyy> CREATE KEYSPACE storeeee
    ... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:companyyyy>
cqlsh:companyyyy> USE storeeee;
cqlsh:storeeee> CREATE TABLE Product_Info (
    ...     Product_Id text PRIMARY KEY,
    ...     Product_Name text,
    ...     Price float,
    ...     Category text
    ... );
cqlsh:storeeee> INSERT INTO Product_Info (Product_Id, Product_Name, Price, Category)
    ... VALUES ('P101','Milk',50,'Dairy')
    ... USING TTL 20;
cqlsh:storeeee> SELECT * FROM Product_Info;

product_id | category | price | product_name
-----+-----+-----+
      P101 |   Dairy |     50 |        Milk

(1 rows)
cqlsh:storeeee> SELECT * FROM Product_Info;

product_id | category | price | product_name
-----+-----+-----+

```

(0 rows)

```

cqlsh:storeeee> CREATE KEYSPACE online_coursesss
    ... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:storeeee>
cqlsh:storeeee> USE online_coursesss;
cqlsh:online_coursesss> CREATE TABLE Course_Registration (
    ...     Reg_Id text PRIMARY KEY,
    ...     Student_Name text,
    ...     Course_Name text,
    ...     Registration_Date date
    ... );
cqlsh:online_coursesss> INSERT INTO Course_Registration (Reg_Id, Student_Name, Course_Name, Registration_Date)
    ... VALUES ('R101','Ananya','DBMS','2025-02-01');
cqlsh:online_coursesss>
cqlsh:online_coursesss> INSERT INTO Course_Registration (Reg_Id, Student_Name, Course_Name, Registration_Date)
    ... VALUES ('R102','Karthik','OS','2025-02-02');
cqlsh:online_coursesss>
cqlsh:online_coursesss> INSERT INTO Course_Registration (Reg_Id, Student_Name, Course_Name, Registration_Date)
    ... VALUES ('R103','Riya','Python','2025-02-03');
cqlsh:online_coursesss> ALTER TABLE Course_Registration
    ... ADD Payment_Status text;
cqlsh:online_coursesss> UPDATE Course_Registration
    ... SET Payment_Status = 'Paid'
    ... WHERE Reg_Id = 'R102';
cqlsh:online_coursesss> INSERT INTO Course_Registration (Reg_Id, Student_Name, Course_Name, Registration_Date)
    ... VALUES ('R104','Aman','AI','2025-02-04')
    ... USING TTL 30;
cqlsh:online_coursesss> SELECT * FROM Course_Registration;

reg_id | course_name | payment_status | registration_date | student_name
-----+-----+-----+-----+-----+
      R102 |       OS |      Paid | 2025-02-02 |      Karthik
      R104 |       AI |     null | 2025-02-04 |       Aman
      R103 |   Python |     null | 2025-02-03 |       Riya
      R101 |   DBMS |     null | 2025-02-01 |     Ananya

(4 rows)
cqlsh:online_coursesss> SELECT * FROM Course_Registration;

reg_id | course_name | payment_status | registration_date | student_name
-----+-----+-----+-----+-----+
      R102 |       OS |      Paid | 2025-02-02 |      Karthik
      R103 |   Python |     null | 2025-02-03 |       Riya
      R101 |   DBMS |     null | 2025-02-01 |     Ananya

(3 rows)

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cqlsh:online_courses> CREATE KEYSPACE restaurantttt
... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:online_courses>
cqlsh:online_courses> USE restaurantttt;
cqlsh:restaurantttt> CREATE TABLE Orders (
...     Order_Id text PRIMARY KEY,
...     Customer_Name text,
...     Item_Name text,
...     Quantity int,
...     Bill_Amount float
... );
cqlsh:restaurantttt> BEGIN BATCH
...     INSERT INTO Orders (Order_Id, Customer_Name, Item_Name, Quantity, Bill_Amount)
...     VALUES ('0201','Rahul','Pizza',2,400);
...
...     INSERT INTO Orders (Order_Id, Customer_Name, Item_Name, Quantity, Bill_Amount)
...     VALUES ('0202','Sneha','Burger',1,150);
...
...     INSERT INTO Orders (Order_Id, Customer_Name, Item_Name, Quantity, Bill_Amount)
...     VALUES ('0203','Amit','Pasta',1,200);
...     APPLY BATCH;
cqlsh:restaurantttt> UPDATE Orders
...     SET Bill_Amount = 450
...     WHERE Order_Id = '0201';
cqlsh:restaurantttt> DELETE FROM Orders
...     WHERE Order_Id = '0202';
cqlsh:restaurantttt> SELECT * FROM Orders;

order_id | bill_amount | customer_name | item_name | quantity
-----+-----+-----+-----+-----+
  0203 |      200 |        Amit |    Pasta |      1
  0201 |      450 |       Rahul |   Pizza |      2

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cqlsh:restaurantttt> CREATE KEYSPACE moviesyyy
... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:restaurantttt>
cqlsh:restaurantttt> USE moviesyyy;
cqlsh:moviesyyy> CREATE TABLE Movie_Ratings (
...     Movie_Id text PRIMARY KEY,
...     Movie_Name text,
...     Ratings map<text,int>
... );
cqlsh:moviesyyy> INSERT INTO Movie_Ratings (Movie_Id, Movie_Name, Ratings)
...     VALUES ('M101','Inception',{User1:5,User2:4});
cqlsh:moviesyyy> UPDATE Movie_Ratings
...     SET Ratings = Ratings + {User3:5}
...     WHERE Movie_Id = 'M101';
cqlsh:moviesyyy> UPDATE Movie_Ratings
...     SET Ratings[User2] = 5
...     WHERE Movie_Id = 'M101';
cqlsh:moviesyyy> SELECT Ratings FROM Movie_Ratings
...     WHERE Movie_Id = 'M101';

ratings
-----
{'User1': 5, 'User2': 5, 'User3': 5}

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cqlsh:moviesyyy> CREATE KEYSPACE shoppingggg
    ... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:moviesyyy>
cqlsh:moviesyyy> USE shoppingggg;
cqlsh:shoppingggg> CREATE TABLE Cart (
    ...     Cart_Id text PRIMARY KEY,
    ...     User_Name text,
    ...     Items list<text>
    ... );
cqlsh:shoppingggg> INSERT INTO Cart (Cart_Id, User_Name, Items)
    ... VALUES ('C101','Riya',['Shoes','Dress','Bag']);
cqlsh:shoppingggg> UPDATE Cart
    ... SET Items = Items + ['Watch']
    ... WHERE Cart_Id = 'C101';
cqlsh:shoppingggg> UPDATE Cart
    ... SET Items = Items - ['Bag']
    ... WHERE Cart_Id = 'C101';
cqlsh:shoppingggg> INSERT INTO Cart (Cart_Id, User_Name, Items)
    ... VALUES ('C102','Aman,['Laptop','Mouse'])
    ... USING TTL 60;
cqlsh:shoppingggg> SELECT * FROM Cart;



| cart_id | items                       | user_name |
|---------|-----------------------------|-----------|
| C102    | ['Laptop', 'Mouse']         | Aman      |
| C101    | ['Shoes', 'Dress', 'Watch'] | Riya      |


(2 rows)
cqlsh:shoppingggg> SELECT * FROM Cart;



| cart_id | items                       | user_name |
|---------|-----------------------------|-----------|
| C101    | ['Shoes', 'Dress', 'Watch'] | Riya      |


(1 rows)

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```

(1 rows)
cqlsh:shoppingggg> CREATE KEYSPACE bankingggg
    ... WITH replication = {'class':'SimpleStrategy','replication_factor':1};
cqlsh:shoppingggg>
cqlsh:shoppingggg> USE bankingggg;
cqlsh:bankinggg> CREATE TABLE Account_Transactions (
    ...     Account_No text PRIMARY KEY,
    ...     Balance counter
    ... );
cqlsh:bankinggg> UPDATE Account_Transactions
    ... SET Balance = Balance + 500
    ... WHERE Account_No = 'AC101';
cqlsh:bankinggg>
cqlsh:bankinggg> UPDATE Account_Transactions
    ... SET Balance = Balance + 300
    ... WHERE Account_No = 'AC101';
cqlsh:bankinggg> UPDATE Account_Transactions
    ... SET Balance = Balance - 200
    ... WHERE Account_No = 'AC101';
cqlsh:bankinggg> SELECT * FROM Account_Transactions
    ... WHERE Account_No = 'AC101';



| account_no | balance |
|------------|---------|
| AC101      | 600     |


(1 rows)

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