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IBM17CS098

BDA LAB

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classmate

Date

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1. CREATE KEYSPACE Employee with replication =  
{'class': 'simplestrategy', replication\_factor: 3};

CREATE COLUMNFAMILY Employee\_Info (emp-id  
INT PRIMARY KEY, emp-name <sup>text</sup> ~~VARCHAR~~, designation  
~~VARCHAR~~ text, date-of-joining text, salary int,  
dept-name text);

BEGIN BATCH

INSERT INTO Employee\_Info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) VALUES (101, 'shreyas',  
'Developer', '19-10-2020', 60000, 'Development');

INSERT INTO Employee\_Info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) VALUES (122, 'Valun',  
'Development QA', '29-09-2020', 50000, 'Testing');

INSERT INTO Employee\_Info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) VALUES (123, 'Takun',  
'Operations Lead', '09-08-2020', 40000, 'Operations');

APPLY BATCH;

Update Employee\_Info SET emp-name = 'shreyas ABC',  
dept-name = 'QA' WHERE emp-id = 121;

Select \* from employee\_info;



```
ALTER TABLE Employee_Info ADD projects set <text>;
```

```
UPDATE Employee_Info SET projects = { 'Project' 'stock  
Management' } WHERE emp-id = 121;
```

```
UPDATE Employee_Info SET projects = { 'Library  
Management System' } WHERE emp-id = 122;
```

```
UPDATE Employee_Info SET projects = { 'Project  
Management System' } WHERE emp-id = 123;
```

```
INSERT INTO Employee_Info (emp-id, emp-name,  
designation, date-of-joining, salary, dept-name)  
VALUES (111, 'xyz', 'Developer', 70000, '08-11-2020',  
'Development') USING TTL 15;
```



2. CREATE KEYSPACE Library with replication = {  
'class': 'simplestrategy', 'replication\_factor': 1};

CREATE TABLE Library-Info (stud\_id int PRIMARY KEY,  
counter\_value counter, Stud-Name text, Book-Name  
text, Book-Id int, Date-of-Issue ~~timestamp~~<sup>text</sup>);

UPDATE Library-Info SET counter\_value = counter\_value  
+ 1 WHERE stud\_id = 111 and stud-Name = 'Shreyas',  
~~UPDATE Library-Info~~ and Book-Name = 'Machine  
Learning' and Book-Id = 4567 and Date-of-Issue =  
'14-10-2020';

UPDATE Library-Info SET counter\_value = counter\_value  
+ 1 WHERE stud\_id = 112 and stud-Name = 'Vamun',  
and Book-Name = 'Data Science' and Book-Id = 4568  
and Date-of-Issue = '18-10-2020';

Describe Library-Info;

Update Library-Info SET counter\_value = counter\_value  
+ 1 WHERE stud\_id = 112;

select \* from Library-Info WHERE ~~counter~~  
stud\_id = 112;

```
COPY Library-Info (Stud-id, counter-value, Stud-Name,  
Book-Name, Book-id, Date-of-Issue) TO '.\LibraryInfo.  
csv';
```

```
COPY Library-Info (Stud-id, counter-value,  
Stud-Name, Book-Name, Book-id, Date-of-Issue)  
FROM '.\LibraryInfo.csv';
```

```
SELECT * FROM LibraryInfo;
```