

BDA Lab 6

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(IBM ITC 5026)

1) i) Create ^{Keyspace} Employee

```
> CREATE KEYSPACE Employee with replication =  
{ 'class' : 'SimpleStrategy', 'replication-factor': 1 };
```

ii) Creating column family

```
> CREATE TABLE Employee -Info (Emp-id int-  
PRIMARY KEY, Emp-name text, Designation  
text, Date of Joining timestamp, salary double,  
Department text);
```

iii) Insert values

```
> BEGIN BATCH
```

```
    Insert into Employee -Info (Emp-id, Emp-name,  
Designation, Date of joining, salary, Department)  
values (121, 'ABC', 'est', '2020-11-12', 1000, 'HR');
```

```
APPLY BATCH;
```

iv) Update Employee name and Department of Emp-id

123.

> UPDATE Employee-Info SET Emp-name = 'xyz' where
Emp-id = 123

v) After table to add a Column Project

> ALTER TABLE Employee-Info ADD Projects set<text>.

vi) Update altered table to add project names,

> UPDATE Employee-Info SET

Projects = Projects + { 'P1, P2' }

where Emp-id = 123;

vii) Create a TTL of 15 seconds to display values
of Employees

> INSERT INTO Employee-Info (Emp-id, Emp-name,
Designation, Date of Joining, Salary, Department)
VALUES (125, 'PQR', 'SE', '2020-12-11', 12000,
'Development') USING 5;

② > CREATE KEYSPACE Library with replication =
{ 'class': 'SimpleStrategy', 'replication-factor': 1 }.

> CREATE TABLE library-info (stud-id int, stud-name, Book-name text, Date-of-issue timestamp, Counter-value counter, PRIMARY KEY (stud-id, stud-name, Book-name, Book-id));

> UPDATE library-info SET counter value = counter.value + 1 WHERE stud-id = 112 and stud-name = 'ABU' and book-name = 'BDA' and book-id = 1,

display Details

SELECT * FROM library-info;

Query to show that a student with id 112 has taken a book "BDA" 2 times.

> SELECT * from library-info where stud-id:112

Exporting:

> COPY library-info (stud-id, stud-name, Book-name, Book-id, counter-value TO D:\library-info.csv

Importing:

> COPY library-info (stud-id, stud-name, Book-name, Book-id, counter-value FROM 'D:\library-info.csv'