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IBM16CS147

## BDA Lab 6

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Date \_\_\_\_\_ Page \_\_\_\_\_

(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 into table

```
> BEGIN BATCH
```

```
... INSERT INTO Employee-Info (Emp-id, Emp-name,  
Designation, Date of Joining, Salary, Department)  
VALUES (121, 'ABC', 'SE', '2020-11-12', 18000, 'CME')  
...
```

```
... APPLY BATCH;
```

iv) Update Employee name and department of  
Emp-id 123

```
> UPDATE Employee-Info SET Emp-name = 'x42'  
where Emp-id = 123
```

v) Alter table to add a column Projects

```
> ALTER TABLE Employee-Info ADD Projects set<text>;
```



vi) Update altered table to add project names

```
> UPDATE Employee-Info SET
    Projects = Projects + { 'P', '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, DateOfJoining,
    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 text, Book-name text, Date-of-issue
    time stamp, Counter-value Counter,
    PRIMARY KEY (stud-id, Stud-name, Book-name,
    Book-Id, Date-of-Issue);
```

```
> UPDATE Library-info SET counter-value =
    counter-value + 1
    WHERE stud-id = 112 and stud-name = 'ABC'
    and book-name = 'BDA' and book-id = 1
    and date-of-issue = '2020-12-11'
```

— " —



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, Date-of-issue, Counter-value  
to 'D:\Library-Info.csv'
```

Importing:

```
> COPY Library-Info (Stud-id, Stud-name,  
Book-name, Book-id, Date-of-issue, Counter-value)  
FROM 'D:\Library-Info.csv'.
```