

(i) CREATE KEYSPACE Employee WITH replication = 9 'class': 'SingleStrategy',  
'replication-factor': 33;

CREATE COLUMNFAMILY employee-info (emp-id INT PRIMARY KEY,  
emp-name VARCHAR, designation VARCHAR, doj VARCHAR,  
dept-name VARCHAR, salary INT);

BEGIN BATCH

INSERT INTO employee-info (emp-id, dept-name, designation, doj,  
emp-name, salary) VALUES (120, 'Development', 'CTO', '10/11/2015',  
'Aynish', 2000000);

APPLY BATCH;

select \* from employee-info;

UPDATE TABLE employee-info ADD Project VARCHAR;

UPDATE employee-info SET Project = 'TIP' WHERE emp-id = 120;  
" " " " = 'Sentiment Analysis' WHERE emp-id = 121;  
" " " " = 'Facial Recognition' WHERE emp-id = 123;

INSERT INTO employee-info (emp-id, dept-name, designation, doj,  
emp-name, project, salary) VALUES (124, 'PP', 'Senior Manager', '8/8/2020',  
'Load Balancing server', 'xibhi', 20000) USING <sup>TIP</sup> SELECT TIP (designation)  
FROM employee-info where emp-id = 124;

②

```
CREATE COLUMNFAMILY libraryinfo (stud-id uuid, counter-value counter,
stud-name VARCHAR, book-name VARCHAR, book-id INT, doi VARCHAR,
PRIMARY KEY (stud-id, stud-name, book-name, book-id, doi));
```

```
UPDATE libraryinfo set counter-value = counter-value + 1 where
stud-id = '1dd43257-b664-4119-91ef-3e9ec59ca966' and stud-name = 'Anjali'
and book-name = 'malgudi' and book-id = 1 and doi = '1/2/2020';
```

```
UPDATE " " " " stud-id = uuid() and stud-name = 'Ajaysh'
and book-name = 'Hardy boys' and book-id = 1 and doi = '1/2/2020';
```

```
UPDATE " " " " stud-id = uuid() and
stud-id = 'meghna' and book-name = 'BDA' and book-id = 1 and
doi = '1/2/2020';
```

```
select * from libraryinfo;
```

```
UPDATE libraryinfo set counter-value = counter-value + 1 where
stud-id = 'a56165fc-17c0-4e71-ba0b-e4ad3dd7b69d' and
stud-name = 'meghna' and book-name = 'BDA' and
book-id = 1 and doi = '1/2/2020';
```

```
select * from libraryinfo;
```

```
select * from libraryinfo where counter-value = 2
ALLOW FILTERING;
```

```
CAPTURE
```

```
CAPTURE 'C:\Users\Niyathi\Desktop\BDA Lab\user.csv';
```

```
select * from libraryinfo;
```