

Program 1)

```
CREATE KEYSPACE Employee WITH replication = {'class':'SimpleStrategy','replication_factor':3};
```

```
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)val  
ues(120,'Development','CTO','10/11/2015','Ayush',2000000);
```

```
INSERT INTO employee_info(emp_id,dept_name,designation,doj,emp_name,salary)val  
ues(121,'HR','Employee','20/01/2011','Raghav',1500000);
```

```
INSERT INTO employee_info(emp_id,dept_name,designation,doj,emp_name,salary)val  
ues(122,'Maintainance','staff','10/07/2020','Sanjay',50000);
```

```
INSERT INTO employee_info(emp_id,dept_name,designation,doj,emp_name,salary)val  
ues(123,'IT','Assistant','25/07/2014','Tanya',100000); APPLY BATCH;
```

```
select * from employee_info;
```

```
UPDATE employee_info SET emp_name = 'Aakash',dept_name = 'IT' WHERE emp_id = 121;
```

```
select * from employee_info;
```

```
ALTER TABLE employee_info ADD Project VARCHAR;
```

```
UPDATE employee_info SET project='TIP' WHERE emp_id=120;
```

```
UPDATE employee_info SET project='Sentiment Analysis' WHERE emp_id=121;
```

```
UPDATE employee_info SET project='Facial recognition' WHERE emp_id=123;
```

```
INSERT INTO employee_info(emp_id, dept_name, designation, doj,  
emp_name,project,salary)values(124, 'PR','Senior Manager','8/8/2020','Load balancing  
server','Abhi',20000) USING TTL 60;
```

```
SELECT TTL(designation) FROM employee_info where emp_id=124;
```

Program 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=cdd43759-bc64-4119-91bf-  
3e9ec59ca966 and stud_name='Anjali' and book_name='malgudi' and book_id=1 and  
doi='1/2/2020';
```

```
UPDATE libraryinfo set counter_value=counter_value+1 where stud_id=uuid() and  
stud_name='Ayush' and book_name='Hardy boys' and book_id=1 and doi='1/2/2020';
```

```
UPDATE libraryinfo set counter_value=counter_value+1 where stud_id=uuid() and  
stud_name='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-11c0-4e47-ba0b-  
e4ad8dd7b69d 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\DeII\Desktop\Engg\7th sem\BDA\Lab\user.csv';
```

```
select * from libraryinfo;
```