

(a)

- 1 Create keyspace employee & with replication = 1  
'class': 'SimpleStrategy', 'replication-factor': 3;  
Use employee;
- 2 Create column family employee-info (emp-id  
int primary key, emp name varchar,  
designation varchar, date-of-joining varchar,  
salary int, dept-name varchar
- 3 Begin Batch  
Insert into employee-info (emp-id,  
emp name, designation, date-of-joining,  
salary, dept-name) values (101, 'ABC',  
'CTO', '10/11/2016', 10000, 'Testing')  
:  
:  
:  
Apply Batch  
Select \* from employee-info;
- ④ Update employee-info set emp-name = 'A&P',  
dept-name = 'IT' where emp-id = 121;
- ⑤ Alter table employee-info add project varchar;
- ⑥ Update employee-id set project = 'BDA'  
where emp-id = 120;
- ⑦ Update Employee-info (emp-id, emp-name,

designation - date-of-joining, salary, dept-name)  
values (125, 'LMN', 'SWD', '11/10/2020', 50000,  
'development')

Using TTL 15;

Select TTL (designation) from employees-info  
where emp-id = 125;

## 6b) Library

1) Create keyspace library with replication  
= { 'class': 'Simple Strategy', 'replication-  
-factor': 1 };

2) Use library;

create table libry-info ( student-id int,  
counter-value counter, stud-name text,  
book-name text, Book-id int, doi timestamp,  
primary key ( student-id, stud-name,  
Book-name, Book-id, doi) );

3) update libry-info set counter-value =  
counter-value + 1 where student-id = 111  
and student-name = 'ABC' and Book-name  
= 'BDA' and Book-id = 121 and doi =  
'2020-11-05';

Select \* from libry-info;

4) Update libry-info set counter-value = counter-  
-value + 1 where student-id = 112 and stud-  
name = 'XYZ' and Book-name = 'BDA'  
and Book-id = 122 and doi = '2020-10-05';



5) Copy library-info (stud~~id~~-id, counter-value,  
~~stud-id~~ stud-name, book-name, book-id,  
doi) to 'D:\libraryinfo.csv';

6) Copy library-info (stud-id, counter-value,  
stud-name, book-name, book-id, doi) from  
'D:\libraryinfo.csv';