

(a) ① CREATE KEYSPACE Employee WITH replication
= {class: 'SimpleStrategy', replication_factor: 3};

② CREATE COLUMNFAMILY employee-info (
emp-id WITH PRIMARY KEY,
emp-name VARCHAR,
designation VARCHAR,
doj VARCHAR,
dept-name VARCHAR,
salary INT);

③ BEGIN BATCH

INSERT INTO employee-info (emp-id, dept-name,
designation, doj, emp-name, salary) values (
120, 'Development', 'CTO', '10/11/2015', 'Ajayush', 20000)

APPLY BATCH

select * from employee-info;

④ UPDATE employee-info SET emp-name = 'Akash',
dept-name = 'IT', WHERE emp-id = 121

⑤ ALTER TABLE employee-info ADD Project VARCHAR;
UPDATE employee-info SET project = 'TIP' WHERE
emp-id = 120;

⑥ 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', 120000) USING TTL 15;

select TTL (designation) from Employee-info where emp-id = 120;

(b)

① CREATE KEYSPACE Library WITH replication =

{ 'class': 'SimpleStrategy', 'replication-factor': 3 };

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));

③ UPDATE Libraryinfo set counter-value = counter-value + 1 where stud-id = uuid() and stud-name = 'Agueh' and book-name = 'Hardy boys' and book-id = 1 and doi = '1/2/2020';

select * from Library-info;

④ UPDATE Libraryinfo set counter-value = counter-value + 1 where stud-id = 'aadt' and stud-name = 'Sumukh' and book-name = 'BDA' and book-id = 1 and doi = '1/2/2020';

select * from Libraryinfo;

⑤ select * from Libraryinfo where counter-value = 2 ALLOW FILTERING;

⑥ CAPTURE 'C:\Users\Desktop\users.csv';