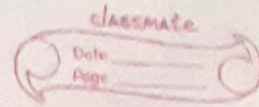


Divyanshu Jainwal
BDA LAB

Nov - 9 2020



Q1.

i) CREATE KEYSPACE "employee" WITH replication
= { 'class': 'SimpleStrategy', 'replication
factor': 13;

DESCRIBE keyspaces;

ii) CREATE COLUMN FAMILY employeeInfo (
-- employeeID INT PRIMARY KEY,
name TEXT,
designation TEXT,
date of Joining DATE,
salary FLOAT,
department name TEXT
);

iii) BEGIN BATCH

-- INSERT INTO employeeInfo (employeeID,
name, designation, date of Joining,
salary, department name) VALUES
(121, 'Divyanshu', 'Intern', '2020-1-20',
300000, 'IT');
-- APPLY BATCH;

Select * FROM employeeInfo;

iv) UPDATE employeeInfo SET Name = 'John',
department = 'Law' WHERE employeeId
= 121;

v) UPDATE employeeInfo SET Projects =
['Project A', 'Project B'] WHERE employeeId =
121;

Select * from employeeInfo;

vi) ALTER TABLE employeeInfo
... ADD projects Set <Text>;

vii) INSERT INTO employeeInfo (employeeId,
name, designation, date of joining, salary,
departmentName) VALUES (126, 'Anna',
'InfoSec Analyst', '2020-5-16', 100000,
'IT') USING TTL 300000;

Select TTL (name) From employeeInfo
WHERE employeeId = 126;

Q2.

i) CREATE Keyspace 'library' WITH Replication =
{ 'class' : 'SimpleStrategy', 'replication_factor'
: 1 };

DESCRIBE Keyspace;

USE library;

ii) CREATE COLUMNFAMILY libraryInfo (
-- id INT,
StudentName TEXT,
bookName TEXT,
bookId INT,
date of Issue DATE,
counterValue COUNTER,
PRIMARY KEY (id, StudentName, bookName,
bookId, date of Issue));

iii) UPDATE libraryInfo SET counterValue = counterValue
+ 1 WHERE id = 111 AND StudentName
= 'Dinyashu' AND bookName = 'books' AND
bookId = 10 AND date of Issue = '2020-10-06';

iv) Select * from libraryInfo;

v> UPDATE libraryInfo SET centvalue = centvalue + 1 WHERE studentId = 112 AND student Name = 'Divs' AND bookname = 'BOA' AND bookId = 1 AND date of ~~Issuing~~ ^{Issue} = '2020-1-25';

Select * from library-info;

vi> Select book-name, centvalue from libraryInfo WHERE studentId = 112;

vii> COPY libraryInfo TO './library.csv' WITH HEADER = TRUE;

Select * from libraryInfo;

viii> COPY libraryInfo FROM './library.csv' WITH HEADER = TRUE;

Select * from libraryInfo;