

3-11-2020

BDA LAB-6

IBM17CS046

i] Create Keyspace Employee.

> CREATE KEYSPACE Employee with replication =
<'class': 'SimpleStrategy', 'replication-factor': 1>;

ii] Creating Column family.

> Create TABLE Employee-Info (Emp-id int PRIMARY KEY,
Emp-name text, Designation text, DateOfJoining timestamp,
Salary double, Department text);

iii] Insert values into table.

> BEGIN BATCH

.... INSERT INTO Employee-Info (Emp-id, Emp-name, Designation,
DateOfJoining, Salary, Department) Values (121, 'ABC', 'SE',
'2020-11-12', 180000, 'MR')

.... APPLY BATCH;

iv] Update Employee name and Department.

> UPDATE Employee-Info SET Emp-name = 'XYZ' where
Emp-id = 123.

v] Alter table to add a column Projects.

> ALTER TABLE Employee-Info ADD Projects set <text>;

vi] Update altered table to add projects names.

> UPDATE Employee-Info SET Projects = Projects + ('P₁, P₂') where Emp-id = 123;

VII) Create a TTL of 15 Seconds to display values of Employees.

> INSERT INTO Employee - Info (Emp-id, Emp-name, Designation, Date of Joining, Salary, Department) VALUES (125, 'PQR', 'SE', '2020-12-11', 12000, 'Development') USING 15;

20) > CREATE KEYSPACE Library with replication = { 'class': 'SimpleStrategy', 'replication-factor': 1 };

> CREATE TABLE Library-Info (Stud-Id int, Stud-name text, Book-name text, Date of Issue timestamp, Counter-value counter, PRIMARY KEY (Stud-Id, Stud-name, Book-name, Book-Id, Date of issue));

> UPDATE Library-Info SET Counter-value = Counter-value + 1 WHERE Stud-Id = 112 and Stud-name = 'ABC' and Book-name = 'BAA' and Book-Id = 1 and Date of issue = '2020-12-11';

Display details.

SELECT * from Library-Info;

Query to show that a student with id 112 has taken a book 'BAA' 2 times.

> SELECT * FROM Library-Info WHERE Stud-Id = 112;

Exporting:

> COPY Library-Info (Stud-Id, Stud-name, Book-name, Book-Id, Date of issue, Counter-value) TO 'D:\Library-Info.csv';

Importing:

> COPY Library-Info (Stud-Id, Stud-name, Book-name, Book-Id, Date of issue, Counter-value) FROM 'D:\Library-Info.csv';