

9/11/2020

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IBM17CS114

BDA Lab-6

Question 1

- a) Create a keyspace with name employee

```
CREATE KEYSPACE Employee WITH replication = { 'class': 'Simple  
Strategy', 'replication-factor': 3 };  
use Employee
```

- b) CREATE COLUMNFAMILY employee-info (Emp-id INT PRIMARY KEY,
Emp-name VARCHAR, Designation VARCHAR, Date-of-joining VARCHAR,
Salary FLOAT, Dept-name VARCHAR);

- c) BEGIN BATCH INSERT INTO employee-info (emp-id, emp-name,
designation, date-of-joining, salary, dept-name) values (119,
'Aditya', 'CEO', '01/06/2020', 10000, 'IT');

```
INSERT INTO employee-info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) values (120, 'Akash',  
'CFO', '01/01/2020', 5000, 'Finance');
```

```
INSERT INTO employee-info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) values (121, 'Arun',  
'HR Head', '01/04/2020', 4000, 'Sales');
```

```
INSERT INTO employee-info (emp-id, emp-name, designation,  
date-of-joining, salary, dept-name) values (122, 'Jatin',  
'CTO', '01/06/2020', 10000, 'Sales');
```

Apply Batch;

d) UPDATE employee-info SET emp-name = 'Unknown', dept-name = 'IT' WHERE emp-id = 121;

f) ALTER TABLE employee-info ADD PROJECT SET (VARCHAR);

g) UPDATE employee-info SET project = project + {'covid19', 'BDA'} WHERE emp-id = 122;

h) BEGIN BATCH INSERT INTO employee-info (emp-id, emp-name, designation, date-of-joining, salary, dept-name) values (123, 'Abhishek', 'Manager', '01/06/2020', 10000, 'IT') USING TTL 15;

APPLY BATCH;

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Question 2.

- a) CREATE KEYSPACE Library WITH replication = { 'class': 'Simple Strategy', 'replication-factor': 3 };
use Library;
- b) CREATE COLUMNFAMILY library-info (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));
- c) UPDATE library-info set counter-value = counter-value + 1 where stud-id = uuid() and stud-name = 'Aditya' and book-name = 'Agatha Christie' and book-id = 1 and doi = '01/01/2020';
- UPDATE library-info set counter-value = counter-value + 1 where stud-id = uuid() and stud-name = ^{'Akash'} and ~~book-name~~ book-name = 'Web dev' and book-id = 2 and doi = '01/05/2020';
- e) SELECT * from library-info where counter-value = 2 and book-name = 'BDA' ALLOW FILTERING;
- f) and g) CAPTURE 'user.csv';
select * from library-info;
CAPTURE